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# CONDUCTIVITY VALUES FOR MIXTURES OF METHANE AND ETHANE

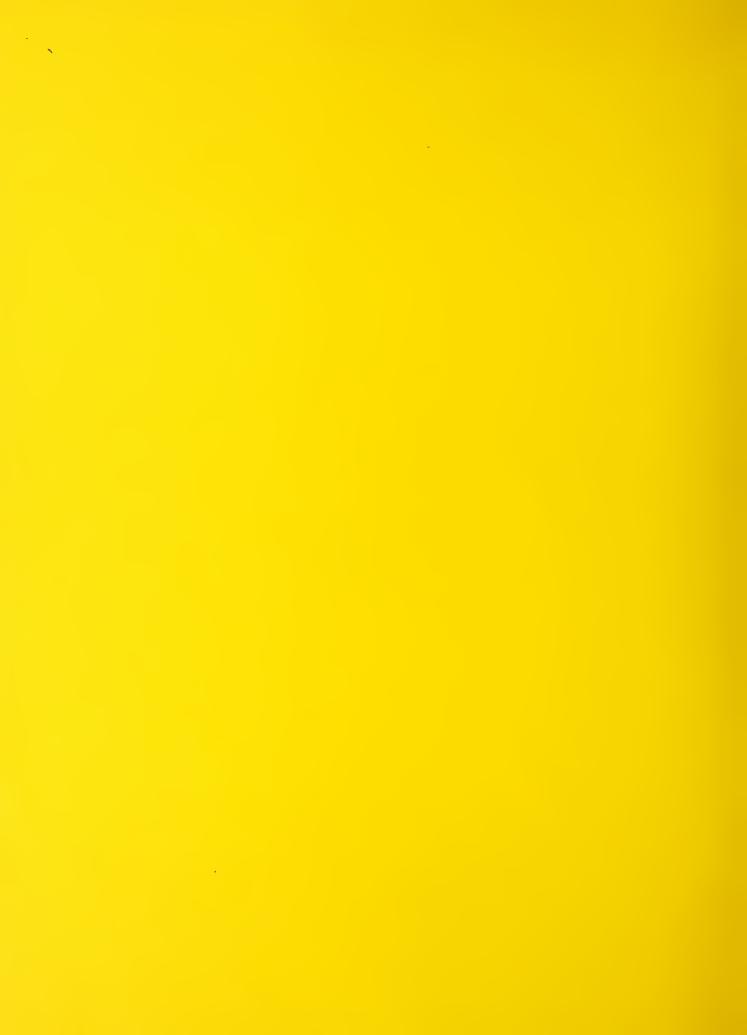
H. M. Roder

D. G. Friend

National Bureau of Standards U.S. Department of Commerce Boulder, Colorado 80303

Final Report

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U.S. DEPARTMENT OF COMMERCE, Malcolm Baldrige, Secretary

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### Experimental Thermal Conductivity Values for Mixtures of Methane and Ethane

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The experimental measurements of tMermal conductivity as obtained in a transient hot wire apparatus for mixtures of methane and ethane are recorded. The measurements were made at temperatures between 140 and 330 K with pressures between 0.1 and 70 MPa. The density range is 0 to 24 mol/L, the mole fractions of methane are 0.69, 0.50, and 0.35, and the total number of points recorded is 2476.

Key words: ethane; hot wire; measurements, methane, mixtures, thermal conductivity; transient.

#### 1. Introduction

New experimental measurements of the thermal conductivity of fluids are always of interest, especially if the measurement is an absolute one, and if the results are as accurate as those that can be obtained from a transient hot wire apparatus. Perhaps the single drawback of a transient hot wire system is the rapid accumulation of large quantities of data. This report is the archival record of results on mixtures of methane and ethane. There is a minimum of text since analysis, explanation and discussion of the results will be given in future papers [1,2]<sup>1</sup>.

The measurements were made with a transient hot wire thermal conductivity apparatus [3] which has been tested with nitrogen [3], helium [3] and argon [4,5]. The system has been used previously to measure the thermal conductivity surfaces of oxygen [6], hydrogen [7,8,9,10], methane [10,11], ethane [10,12] and propane [10,13]. The temperature range of the instrument is 77 to 330 K and the pressure range is from near zero to 70 MPa.

The scheme used to measure the thermal conductivity surface of a given fluid is to conduct the measurements along isotherms. The spacing in temperature is chosen to be around 20 K resulting in a change of several percent in thermal conductivity between different isotherms. On each isotherm measurements are made at a number of different pressures. The spacing in pressure is arranged to give a spacing in density of about 0.5 mol/L. Finally, replicate measurements at the same cell temperature and pressure are made with three or four different power levels. The replicate measurements serve to verify the absence of convection, and, because the experimental temperatures vary with the applied power level, the measurements are actually independent of each other.

The sections for the individual mixtures give the tables of data, the correlating equations in the form of computer programs which were used to adjust the thermal conductivity values to the nominal temperatures, and the equation of state used to infer densities from the measured pressures and temperatures. Recorded in the tables of data are the run and the point numbers, the pressure, temperature and density of the mixture, the applied power, the experimental thermal conductivity and its associated linear regression statistic STAT. STAT is the uncertainty of the slope,

 $<sup>^{1}</sup>$ Numbers in brackets indicate the literature references at the end of the paper.

 $d(\Delta T)/d(\ell nt)$  at the two sigma level, determined in the the data reduction program [3]. STAT is a direct measure of the precision of the thermal conductivity, i.e., a STAT of 0.001 corresponds to a precision of 0.1 percent in thermal conductivity. In the analysis of the thermal conductivity surface it is desirable to have the thermal conductivities at integral values of temperature. Therefore, each point has been adjusted at constant density to a nominal temperature by a slight shift in temperature using the correlating equations for the surface in question. Printed in the data tables are the so adjusted thermal conductivities at the nominal isotherm temperature as well as the deviation between the adjusted values and the correlating surface.

2. Results for a 70/30 Mixture of Methane-Ethane.

FUNCTION TC7030(RHO,T)

A total of 899 points are given in table 1. The actual mole fraction of methane in the mixture is 0.68526 with the balance ethane. The computer programs developed for the thermal conductivity surface of this mixture are shown below. The equation of state used for this mixture is given in [14].

```
COEF. FROM TCO21, FIRST PASS, 27 MAR 85
C
      DIMENSION A(3),B(5)
      DATA A/ .1875327E-02, .3060568E-04, .1941864E-06/
      DATA B/ .2091574E-02, .6109347E-05, .5868615E-05,
     1 .3105442E-08, .5910959E-08/
      TCZERO=A(1)+A(2)*T+A(3)*T**2
      EXCESS=(B(1)+8(2)*T)*RHO+(B(3)+B(4)*T)*RHO**3+B(5)*RHO**5
      TC7030=TCZERO+EXCESS+CR7030(RHO,T)
      RETURN
      END
      FUNCTION CR7030(RHO, TEMP)
C
      COEF. FROM TCO21 AND MINIMS, FIRST PASS, 27 MAR 85
      DIMENSION C(6)
      DATA (TC=239.779), (RHDC=8.75)
      DATA C/ .2766677E+00,-.2240000E+03, .1827450E-01,-.5571235E-04,
     1 -.2212507E+00, .2119179E+00/
      T= TEMP
      IF(T.LT.TC) T=TC
      DEN=RHD
      IF (T.LT.363.590) GO TO 4
    5 CR7030=0.
      RETURN
    4 CONTINUE
      AMPL=C(1)/(T+C(2))+C(3)+C(4)+T
      DELRHO=DEN-RHOC
      X1=C(5)*DELRHD
      IF(DEN.GT.RHOC) X1=C(6)*DELRHO
      CR7030=AMPL+EXP(-X1++2)
      RETURN
      END
```

Run Pt.	Pressure MPB	Temperature K	Censity TOI/L	Power W/m	Experimental Thermal Conductivity W/m.K	STAT	Adjusted Thermai at a Mominal Temperature of 140.7K W/m.K	Deviation
92030	1.734	142.085	22.5980	1.26766	.16996	.301	.16977	.57
92029	1.733	141.344	22.7462		16845	.001	.16835	83
92028	1.732	140.827	22.7797		.16782	.301	.16780	-1.56
92027	1.729	140.328	22.9119	. 34014	.16734	.001	.16739	-2.20
92025	14.953	141.791	23.3160		·18367	.001	.18351	1.12
92025	14.851	141.080	22.3569		·18290	.001	.18284	. 24
92024	14.950	140.676	23.3801	_	.18194	.001	·1°194	48
92023	14.846	140.086	23.4139	.93980	.18046	.901	.18054	-1.66
92022	28.027	141.510	23.8350	1.25950	.19567	.001	.19555	1.42
92021	28.025	140.845	23.8703	1.14458	.19448	.001	.19445	• 45
92020	28.023	140.397	23.8941		.19395	.001	.19399	05
72010	28.013	139.920	23.9192	. 93528	•19271	.001	•19282	97
92018	41.123	141.183	24.2922		.20507	.001	.20499	• 92
92017	41.123	140.649	24.3193		.20397	.001	.26397	•01
92016	41.116	140.179	24.3430		.20353	.001	.20360	45
92015	41.111	140.038	24.3490	.93557	. 20 342	. 001	.20351	57
92014	54.851 54.854	140.874	24.7222		·21444 ·21390	.001	•21441 •21392	•32 ••10
92013	54.843	140.540 140.011	24.7543		.21324	•331	•21334	67
92004	54.291	141.195	24.7577		.21968	.001	.21960	- 13
92010	63.857	140.850	24.9729	_	.21966	.001	•21963	18
92009	63.838	140.788	24.9754		.22186	.001	.22184	•79
92003	64.302	140.807	24.9870		.21946	.001	.21944	43
92308	63.821	140.273	25.0003		.22033	.001	.22039	15
2002	64.312	140.509	25.0018	1.03349	.22002	.001	.22004	32
92001	64.311	140.236	25.0151	.93552	.21999	.001	.22305	47
92007	63.821	139.821	25.0223		.21988	.091	.22001	58
92006	63.919	139.699	25.02.83	.93210	.21912	.001	•21926	99
					Experimental		Adjusted Thermal	
Pun Pt.	Pressure	Temperature	Density	Power	Thermal Conductivity	STAT	at a Mominal Temperature of 161.9K	Deviation from Corelation
TUIL FEE	MPa	K	mol/L	W/m	W/m.K	3141	N/W.K	percent
93023	2.650	162.375	21.3226		.14350	.001	•14343	-2.11
93022	2.630	161.810	21 - 3657		.14457	.001	•14458	-1.81
93021	2.650 2.550	161.496 161.367	21.3895	.90052 .80696	•14449 •14616	.001	•14454 •14623	-2.12 -1.00
93019	13.938	162.635	22.0174		.15815	.001	•15804	44
93018	13.940	162.244	22.0423		.15769	.001	.15754	99
93017	13.932	161.494	22.0893		.15759	.001	.15764	-1.54
93020	13.944	161.339	22.0998	.90475	.15958	.201	.15965	39
93016	27.328	163.005	22.6517	1.36110	.17263	.001	•17246	. 94
93015	27.322	162.420	22.5836	1.23398	.17151	.001	•17143	02
93014	27.314	161.730	22.7211		•17187	.001	•17189	19
93013	27.321	161.265	22.7470		•17126	.001	•17134	81
93012	39.845	162.557	23.1824		.18380	• 301	•18370	1.11
93011	39.841	161.98?	23.2109		.18340	.001	.18338	.61
93010 93009	39.840 39.837	161.551 160.860	23.2324 23.2668	.99956	.18319 .18253	.001	•18323 •18268	· 24 42
93007	53.184	162.295	23.6587		•19484	.001	•19477	1.46
93005	53.183	161.882	23.6779		.19479	.001	.19479	1.25
93008	53.194	161.468	23.6975		.19738	.001	.19744	2.35
93005	53.181	161.171	23.7108		•19334	.301	.19344	.19
93004	61.106	162.635		1.48434	.20161			2.17
93003		11/2 41/3/3				.001	.20149	
	61.100	162.312	23.9046	1.35294	.20102	.001	.20095	1.74
93002	61.100 61.395	162.312 161.539	23.9046	1.35294 1.22483	•20102 •19945	.001	.20095 .19950	1 · 74 · 53
93002	61.100	162.312	23.9046	1.35294	.20102	.001	.20095	1.74
	61.100 61.395	162.312 161.539	23.9046	1.35294 1.22483	.20102 .19945 .19859 Experimental	.001	.20095 .19950 .19871 Adjusted Thermal	1.74 .53 02
93001	61.100 61.095 61.083	162.312 161.539 161.025	23.9046 23.9392 23.9619	1.35294 1.22483 1.10547	.20102 .19945 .19859 Experimental Thermal	.001 .001 .001	.20095 .19950 .19871 Adjusted Thermal st a Nominal	1.74 .53 02 Conductivity Jeviation
	61.100 61.095 61.083	162.312 161.539 161.025	23.9046 23.9392 23.9619 Density	1.35294 1.22483 1.10547	.20102 .19945 .19859 Experimental Thermal Conductivity	.001 .001 .001	.20095 .19950 .19871 Adjusted Thermal at a Nominal Temperature of 182.5K	1.74 .53 02 Canductivity Deviation from Corelation
93001	61.100 61.095 61.083	162.312 161.539 161.025	23.9046 23.9392 23.9619	1.35294 1.22483 1.10547	.20102 .19945 .19859 Experimental Thermal	.001 .001 .001	.20095 .19950 .19871 Adjusted Thermal st a Nominal	1.74 .53 02 Conductivity Jeviation
93001	61.100 61.095 61.083	162.312 161.539 161.025	23.9046 23.9392 23.9619 Density	1.35294 1.22483 1.10547 Power W/m	.20102 .19945 .19859 Experimental Thermal Conductivity	.001 .001 .001	.20095 .19950 .19871 Adjusted Thermal at a Nominal Temperature of 182.5K	1.74 .53 02 Conductivity Deviation from Corelation
930C1 Run Pt. 94024 94023	61.100 61.095 61.083 Pressure MPa 3.790 3.794	162.312 161.539 161.025 Temperature K 183.514 182.840	23.9046 23.9392 23.9619 Density rol/L 19.6385 19.7022	1.35294 1.22483 1.10547 Power W/m 1.15618 1.03552	.20102 .19945 .19859 Experimental Thermal Conductivity W/m.K .12135 .12194	.001 .001 .001 STAT	.20095 .19950 .19871 Adjusted Thermal at a Nominal Temperature of 182.5K w/m.K	1.74 .5302 Conductivity Deviation from Coreistion percent
930C1 Run Pt. 94024 94023 94022	61.100 61.095 61.083 Pressure MPa 3.790 3.794 3.795	162.312 161.539 161.025 Temperature K 183.514 162.840 182.499	23.9046 23.9392 23.9619 Density rol/L 19.6395 19.7022 19.7341	1.35294 1.22483 1.10547 Power W/m 1.15618 1.33552 .92218	.20102 .19945 .19859 Experimental Thermal Conductivity W/m.K .12135 .12194 .12262	.001 .001 .001 STAT	.20095 .19950 .19871 Adjusted Thermal at a Nominal Temperature of 182.6K w/m.K .12122 .12171 .12263	1.74 .5302  Conductivity Deviation from Corelation percent -1.73 -1.89 -1.66
930C1 Run Pt. 94024 94023 94022 94021	61.100 61.095 61.083 Pressure MPa 3.790 3.794 3.795 3.791	162.312 161.539 161.025 Temperature K 183.514 182.840 182.499 162.075	23.9046 23.9392 23.9619 Density rol/L 19.6395 19.7022 19.7341 19.7729	1.35294 1.22483 1.10547 Power W/m 1.15618 1.03558 .92218 .81582	.20102 .19945 .19859 Experimental Thermal Conductivity W/m.K .12135 .12194 .12262 .12287	.001 .001 .001 STAT .001 .002 .001	.20095 .19950 .19871 Adjusted Thermal at a Nominal Temperature of 182.6K p/m.K .12122 .12191 .12263 .12294	1.74 .5302 Conductivity Deviation from Coreistion percent -1.73 -1.89 -1.66 -1.85
930C1 Run Pt. 94024 94023 94022 94021 94020	61.100 61.095 61.083 Pressure MPa 3.790 3.794 3.795 3.791 14.795	162.312 161.539 161.025 Temperature K 183.514 162.840 182.499 182.075 183.661	23.9046 23.9392 23.9619 Density rol/L 19.6395 19.7022 19.7341 19.7729 20.6639	1.35294 1.22423 1.10547 Power W/m 1.15618 1.33552 .92218 .81562 1.28608	.20102 .19945 .19859 Experimental Thermal Conductivity W/m.K .12135 .12194 .12262 .12287 .13797	.001 .001 .001 STAT .001 .002 .001	.20095 .19950 .19871 Adjusted Thermal at a Nominal Temperature of 182.6K w/m.K .12122 .12171 .12263 .12294 .13782	1.74 .5302  Conductivity Deviation from Corelation percent -1.73 -1.89 -1.66 -1.8554
930C1 Run Pt. 94024 94023 94022 94021 94020 94019	61.100 61.095 61.083 Pressure MPa 3.790 3.794 3.795 3.791 14.795 14.793	162.312 161.539 161.025 Temperature K 183.514 182.840 182.849 182.075 183.661 182.951	23.9046 23.9392 23.9619 Density rol/L 19.6395 19.7022 19.7729 20.6639 20.7138	1.35294 1.22483 1.10547 Power W/m 1.15618 1.03552 .92218 .81562 1.28608 1.15615	.20102 .19945 .19859 Experimental Thermal Conductivity W/m.K .12135 .12194 .12262 .12287 .13797 .13806	.001 .001 .001 STAT .001 .002 .001 .001	.20095 .19950 .19871 Adjusted Thermal at a Nominal Temperature of 182.5K p/m.K .12122 .12191 .12263 .12294 .13782 .13801	1.74 .63 02 Conductivity Deviation from Corelation percent -1.73 -1.89 -1.66 -1.85 54 97
930C1 Run Pt. 94024 94023 94022 94021 94019 94018	61.100 61.095 61.083 Pressure MPa 3.790 3.794 3.795 3.791 14.795 14.793 14.786	162.312 161.539 161.025 Temperature K 183.514 162.840 182.499 162.075 183.661 182.951 182.419	23.9046 23.9392 23.9619 Density rol/L 19.6395 19.7022 19.7341 19.7729 20.6639 20.7138	1.35294 1.22483 1.10547 Power W/m 1.15618 1.03552 .92218 .81562 1.28608 1.15615 1.03503	.20102 .19945 .19859 Experimental Thermal Conductivity W/m.K .12135 .12194 .12262 .12287 .13797 .13806 .13873	.001 .001 .001 STAT .001 .002 .001 .001	.20095 .19950 .19871 Adjusted Thermal at a Nominal Temperature of 182.5K w/m.K .12122 .12191 .12263 .1224 .13782 .13901 .13975	1.74 .53 02 Conductivity Deviation from Corelation percent -1.73 -1.89 -1.66 -1.85 97 85
930C1 Run Pt. 94024 94023 94022 94021 94020 94019 94018 94017	61.100 61.095 61.083 Pressure MPa 3.790 3.794 3.795 3.791 14.795 14.793 14.786 14.780	162.312 161.539 161.025 Temperature K 183.514 182.840 182.499 182.475 183.561 182.419 181.835	23.9046 23.9392 23.9619 Density rel/L 19.6395 19.7022 19.7341 19.7729 20.6639 20.7138 20.7506 20.7911	1.35294 1.22483 1.10547 Power W/m 1.15618 1.33552 .92218 .81562 1.28608 1.15615 1.03503 .92073	.20102 .19945 .19859 Experimental Thermal Conductivity W/m.K .12135 .12194 .12262 .12287 .13797 .13806 .13873 .13847	.001 .001 .001 STAT .001 .002 .001 .001	.20095 .19950 .19871 Adjusted Thermal at a Nominal Temperature of 182.6K p/m.K .12122 .12191 .12263 .12294 .13782 .13801 .13875 .13858	1.74 .53 02 Conductivity Deviation from Corelation percent -1.73 -1.89 -1.66 -1.85 54 97 85 -1.45
930C1  Run Pt.  94024 94023 94023 94021 94920 94019 94918 94017 94016	61.100 61.095 61.083 Pressure MPA 3.790 3.794 3.795 3.791 14.795 14.795 14.780 27.563	162.312 161.539 161.025 Temperature K 183.514 182.840 182.499 162.075 183.661 182.951 182.951 182.951	23.9046 23.9392 23.9619 Density rol/L 19.6395 19.7022 19.7341 19.7729 20.6639 20.7138 20.7506 20.77911 21.5254	1.35294 1.22423 1.10547 Power W/m 1.15618 1.33552 .92218 .81562 1.28608 1.15615 1.03503 .92073 1.28210	.20102 .19945 .19859 Experimental Thermal Conductivity W/m.K .12135 .12194 .12262 .12287 .13797 .13826 .13873 .13847 .15293	.001 .001 .001 STAT .001 .001 .001 .001	.20095 .19950 .19871 Adjusted Thermal at a Nominal Temperature of 182.6K w/m.K .12122 .12171 .12263 .12294 .13782 .13901 .13875 .13858 .15296	1.74 .53 02 Conductivity Deviation from Corelation percent -1.73 -1.89 -1.66 -1.85 54 97 85 -1.45 01
930C1 Run Pt. 94024 94023 94022 94021 94020 94019 94018 94017	61.100 61.095 61.083 Pressure MPa 3.790 3.794 3.795 3.791 14.795 14.793 14.786 14.780	162.312 161.539 161.025 Temperature K 183.514 182.840 182.499 182.475 183.561 182.419 181.835	23.9046 23.9392 23.9619 Density rel/L 19.6395 19.7022 19.7341 19.7729 20.6639 20.7138 20.7506 20.7911 21.5254 21.5582	1.35294 1.22483 1.10547 Power W/m 1.15618 1.33552 .92218 .81562 1.28608 1.15615 1.03503 .92073	.20102 .19945 .19859 Experimental Thermal Conductivity W/m.K .12135 .12194 .12262 .12287 .13797 .13806 .13873 .13847 .15292 .15342	.001 .001 .001 STAT .001 .001 .001 .001 .001	.20095 .19950 .19871 Adjusted Thermal et a Nominal Temperature of 182.6K w/m.K .12122 .12171 .12263 .12294 .13782 .13801 .13875 .13858 .15296 .15343	1.74 .53 02 Conductivity Deviation from Corelation percent -1.73 -1.89 -1.66 -1.85 54 97 85 -1.45
930C1 Run Pt. 94024 94023 94022 94021 94020 94019 94018 94017 94016 94015	61.100 61.095 61.083 Pressure MPa 3.790 3.794 3.795 3.791 14.795 14.793 14.786 14.780 27.563 27.558	162.312 161.539 161.025 Temperature K 183.514 182.840 182.499 182.075 183.661 182.951 182.419 181.835 183.093 182.525	23.9046 23.9392 23.9619 Density rol/L 19.6395 19.7022 19.7341 19.7729 20.76639 20.77138 20.7506 20.7911 21.55582 21.5937	1.35294 1.22483 1.10547 Power W/m 1.15618 1.03552 .92218 .81562 1.28608 1.15615 1.03503 .92073 1.28210 1.15394	.20102 .19945 .19859 Experimental Thermal Conductivity W/m.K .12135 .12194 .12262 .12287 .13797 .13826 .13873 .13847 .15293	.001 .001 .001 STAT .001 .001 .001 .001	.20095 .19950 .19871 Adjusted Thermal at a Nominal Temperature of 182.6K w/m.K .12122 .12171 .12263 .12294 .13782 .13901 .13875 .13858 .15296	1.74 .63 02 Conductivity Deviation from Corelation percent -1.73 -1.89 -1.66 -1.85 97 85 -1.45 01 02
930C1 Run Pt. 94024 94023 94022 94021 94020 94019 94018 94017 94016 94015 94014	61.100 61.095 61.083 Pressure MPa 3.790 3.794 3.795 3.791 14.795 14.796 14.780 27.563 27.558 27.558	162.312 161.539 161.025 Temperature K 183.514 162.840 182.99 182.075 183.661 182.951 182.419 181.835 183.093 182.525 183.093	23.9046 23.9392 23.9619 Density rel/L 19.6395 19.7022 19.7341 19.7729 20.6639 20.7738 20.7506 20.7911 21.5254 21.5582 21.5937 21.6293	1.35294 1.22483 1.10547 Power W/m 1.15618 1.03552 .92218 .81562 1.286008 1.15615 1.03503 .92073 1.28210 1.15384 1.03282	.20102 .19945 .19859 Experimental Thermal Conductivity W/m.K .12135 .12194 .12262 .12287 .13797 .13847 .13847 .15293 .15342 .15305	.001 .001 .001 STAT .001 .001 .001 .001 .001 .001	.20095 .19950 .19871 Adjusted Thermal at a Nominal Temperature of 182.6K p/m.K .12122 .12191 .12263 .1224 .13782 .13901 .13975 .13858 .15296 .15343	1.74 .53 02 Conductivity Deviation from Corelation percent -1.73 -1.89 -1.66 -1.85 97 85 -1.45 01 02

04717	39.426	182.740	22.1404	1.2800?	.16488	.001	.16486	• 51
94012	27.427	182.378		1.34377	.16791	.001	.16794	2.12
94209	39.426	181.974		1.14735	•15403	.301	.16412	39
94007	55.159	183.545		1. 5392	.17029	.201	.17914	1.88
94006	55.162	182.613		1.40520	.17835	.001	.17835	. 96
94008	55.164	182.435		1.15328	.18234	.001	•13236	3.05
94005	55.149	182.151	22.8095	1.27118	.17779	.001	.17796	• 45
94002	64.806	182.574	23.1211	1.39539	.18712	.001	.18711	1.94
94001	54.804	182.357	23.1348	1.25948	.18958	.001	·18852	2.57
					Experimental		Adjusted Thermal	
				_	Thermal		at a Nominal	Oeviation
Run Pt.	Pressure	Temperature	Density	Pover	Conductivity	STAT	Tamperature of 194.2K	
	мРэ	К	₹OI/L	3/m	W/m . K		₩/m•K	percent
91083	.350	104 043	2726	.08742	.01654	.003	214/7	1 01
91083	.260	194.852 194.064	.2334 .2345	.07096	.01644	.003	.01647	1.G1 .90
91088	.365	195.755	.2354	.10559	.01681	2003	.01645 .01664	2.01
91081	350	193.35°	. 2355	. 15427	.01619	.005	.01628	~.19
91084	.353	192.739	.2364	.04335	.01630	.009	•01646	. 87
91087	.365	194.917	. 2356	.03733	.01664	.003	.01656	1.51
91086	.365	194.362	.2374	.07099	.01654	.007	.01552	1.26
91085	.365	193.579	.2385	.05534	.01612	.007	.01619	82
	****			• • • • • • • • • • • • • • • • • • • •	******		*****	• 52
					Experimental		Adjusted Thermal	Confuctivity
					Thermal		at a Nominal	Deviation
Run Pt.	Pressure	Temperature	Density	Power	Conductivity	STAT	Temperature of 203.7K	
	MРа	K	mol/L	₩/中	W/m.K		W/m.K	percent
91079	.372	205.073	.2275		.01768	. 005	.01753	1.23
91078	.372	204.311	.2285	.07523	• 01752	.009	.01745	.78
91077	. 372	203.461	. 2296		.01747	. 006	•01750	1.01
91080	.372	202.840	.2304	.04595	.01751	.008	.01760	1.60
91073	.600	203.230	.3812	.05962	.01 801	•007	.01306	1.77
91075	.516	204.547	.3 PR7	.09248	.01824	.003	.01815	2.12
91074	.514	203.882	.3889	.07514	.01808	.003	.01806	1.54
91076	•615 5•110	202.619	.3937	.04591	.01782	• 003	.01794	. 90
95024 95023	5.113	205.034 203.715	17.5920	1.05484	.10205 .10173	.001	.10187	1.36 50
95022	5.113	203.237	17.7510	.81271	.10181	.002	•10173 •10187	98
95021	5.114	202.438	17.8481	.73599	.10217	.001	.10234	-1.55
95017	14.552	204.301		1.16825	.11707	.031	.11698	-1.71
95018	14.664	203.890		1.04422	.11829	.001	.11925	98
95019	14.653	203.256	19.1825	. 92526	.11762	.001	.11758	-2.04
95020	14.665	202.452	19.2307	.91263	.11907	.001	.11922	-1.26
95013	27.532	204.355		1.30126	.13367	.001	.13357	-1.16
95014	27.533	203.994		1.16941	.13449	.001	13445	76
95015	27.539	203.387	20.3044	1.04393	.13539	.001	.13544	44
95016	27.538	202.917	20.3334	. 92541	.13601	.001	.13613	26
95010	40.137	204.792	21.0203	1.29763	.15046	.001	.15029	1.92
95009	40.133	204.399		1.43987	.14644	.001	•14633	97
95)11	40.145	203.626		1.15544	.14933	.001	.14934	.50
95012	40.145	203.043		1.02840	.14918	.001	.14928	• 21
95005	53.637	203.874		1.43832	•15964	.001	•15961	12
95005	53.537	203.843		1.30504	.16108	. 501	.16106	• 76
95007	53.547	203.353		1.17174	.16205	.001	•16210 •16309	1.14
95008 95002	53.647	202.834 204.501	22.0771	1.04548	.16296 .16775	.001	.16752	.94
95003	62.469 62.462	203.845		1.30725	.17008	.001	•17006	2.04
95001	62.471	203.810		1.43787		.001	.16735	•43
95004	62.452	203.245		1.17157		.001	•16996	1.69
	020104	201327.	2.02000	24-12-1	******		7207.70	•••
					Experimental		Adjusted Thermal	Conductivity
					Thermal		at a Nominal	Deviation
₽un Pt.	Pressure	Tempereture	Density	Power	Conductivity	STAT	Temperature of 214.4K	from Corelation
	мра	K	mol/L	₩/m	W/m⋅K		W/m.K	percent
91072	.418	215.953	.2421	.11790	.01925	.003	.01908	2.73
91071	•418	215.080	.2432		.01915	.003	.01908	2.71
91070	.418	214.352	.2441		.01904	.009	.01905	2.56
91069	.419	213.791	.2449		.01908	.010	.01915	3.08
91068	. # 2 4	215.431	.4991	•11780	.019°3	• 003	.01972 .01974	2 • 21 2 • 27
91067 91065	.824 .824	214.739 213.593	.5012 .5034	.09768	.01977 .01931	.004	.01974	•35
91065	• 824	213.593	.5047	.05295	.01959	.035	.01959	1.98
91060	1.169	215.221	.7367		.02052	.003	.02043	2.22
91059	1.158	214.660	.7395	.09762	.02041	.004	.02039	1.96
91058	1.167	214.205	.7416	.07929	.02063	.004	.02065	3.22
91057	1.156	213.341	.7451		.02058	.005	.02071	3.39
91364	1.190	215.124	.7530	.11781	.02012	.002	.02004	• 08
91063	1.190	214.412	.7567	.19748	.02007	.004	.02007	.18
91052	1.100	213.852	.7596	.07919	.01961	.004	.01968	-1.88
91052 91051		213.862 213.388	•7596 •7622	.07919 .05283	.01961 .01956	.005	.01968 .01968	-1.88 -1.90

Qun Pt.	Pressure	Temperature	Density	Power	Experimental Thermal Conductivity	STAT	Adjusted Thermal at a Nominal Temperature of 223.14	Deviation
	MРа	К	TOI/L	¥/#	%/m•K		₩/m•K	percent
91055	.387	224.833	.2137	.10278	.01951	.004	.01931	90
91054	.347	224.037	.2145	.08352	.01951 .01958	.006	.01940 .01955	43 .32
91053 91056	.387 .387	223.375	.2152 .2157	.06627 .05105	.01953	.005	•01955	• 35
91050	.783	225.227	4464	.12383	•02025	.024	.02001	62
91051	.783	224.383	.4484	.10255	.02016	.002	.02001	65
91050	.793	223.652	.4502	.08334	.02011	.004	.32304	50
31049	•783	223.C74	•4517	.05611	.01990	.005	.01990	-1.23
91047	1.090	225.037	.6337 .6364	.12383 .10265	.02058 .02070	.003	.02035 .02055	-1.60 53
91045 91045	1.080	223.609	•6392	.09346	•02052	.005	.02046	-1.14
91048	1.080	223.042	.6414	.05628	.02047	.007	.02948	-1.08
91044	1.510	225.170	.9258	.14700	.02180	.004	.02155	02
91043	1.510	224.630	.9292	.12377	.02187	.003	.02152	. 23
91042	1.510	223.963	.9335	.10252	.02176 .02140	•003 •004	.02156 .02138	.35 -1.01
91941 95024	5.484	223.032	15.2335	.89569	.08483	.004	.02155	1.28
95023	6.485	222.640	15.3087	.77999	.08505	. 205	•08511	1.03
95022	6.485	221.895	15.4480	.57166	.08510	.008	.38527	.11
95021	6.485	221.134	15.5857	.57164	.09620	.001	.08647	.40
95020	16.137	223.603	17.6815		.10423	.001	.10416	<b></b> 59
95019 96018	16.134 16.132	222.764 222.070	17.7536	.89492 .77920	.1043C .10500	•001 •001	.1C435 .1C515	-1.25 -1.10
95017	16.131	221.318	17.8775	.57077	.10489	.001	.10515	-1.78
95016	27.498	223.569	19.0227	1.15028	.11949	.001	.11942	-1.19
96015	27.500	222.742	10.0754		.11599	.001	.12005	-1.25
96014	27.497	222.155	19.1135	.89359 .77598	•12014	.001	.12029	-1.45
96013 96012	27.490 38.872	221.511	19.1551		•12016 •13303	.001	•12040 •13303	-1.61 51
95011	38.870	222.510	19.9865		.13344	.001	.13353	51
95010	38.969	221.949	20.0226	.39557	.13372	.001	.13391	62
96009	38.868	220.952	20.0716	.77655	.13318	.001	.13351	-1.47
96008 96007	50.043 50.043	223.401 222.849	20.5495	1.29167	•14412 •14462	.001	•14407 •14465	.0ĉ
96005	50.035	222.140		1.01892	.14474	.001	.14489	02
96005	50.033	221.573	20.7112		.14447	.001	.14471	45
96003	60.675	224.001	21.1306		.15480	.001	.15465	1.54
06002	60.674	223.461		1.28705	.15524	.001	•15518	1.51
95001 95004	50.570 50.575	223.249 222.237	21.2097	1.01516	•15481 •15556	.001	•15479 •155 <b>7</b> 0	1.20
, • • •						a (20)		
				1.01210		.001		
				1.91710	Experimental	.001	Adjusted Thermal	Conductivity
Run Pt.	Pressure	Temperature	Density		Experimental Thermal	STAT	Adjusted Thermal	Conductivity Deviation
Run Pt∙	Pressure	Temperature K		Po∢er ∀/m	Experimental		Adjusted Thermal	Conductivity Deviation
	МРя	К	Density mol/L	Po∢er ∀/m	Experimental Thermal Conductivity W/m.K	STAT	Adjusted Thermal at a Nominal Fanoerature of 234.1K	Canductivity Deviation from Corelation percent
91040 91039			Density	Po∢er	Experimental Thermal Conductivity		Adjusted Thermal at a Nominal Tamperature of 234.1K	Conductivity Deviation from Corelation
91040	MPs .820	κ 23 <sup>5</sup> •317	Density mol/L	Po∢er ∀/m •12996	Experimental Thermal Conductivity W/m.K	STAT • 205	Adjusted Thermal at a Nominal Famoerature of 234.1K #/m.K	Conductivity Deviation from Correlation percent
91040 91039 91038 91037	.820 .821 .521 .821	235.317 234.546 233.871 233.178	Density mol/L .4449 .4469 .4485 .4501	Poder W/m .12996 .13765 .38747 .06943	Experimental Thermal Conductivity w/m.K  .02173 .02165 .02164 .02127	.005 .007 .003	Adjusted Thermal at a Nominal Famoerature of 234.1K #/m.K	Confluctivity Deviation from Corelation percent  .63 .67 .0836
91040 91039 91038 91037 91035	.820 .821 .921 .821 1.125	235.317 234.546 233.871 233.178 234.397	Density mol/L .4449 .4469 .4485 .4501	Poder W/m .12996 .13765 .39747 .66943	Experimental Thermal Conductivity w/m.K .02173 .02165 .02154 .02127 .02216	.205 .007 .003 .007	Adjusted Thermal at a Nominal Temperature of 234.1K d/m.K	Conductivity Deviation from Corelation percent  .53 .67 .0836 .65
91040 91039 91038 91037 91035 91034	.820 .821 .521 .821 1.125	x 235,317 234,546 233,871 223,175 234,397 234,592	Density moi/L .4449 .4469 .4485 .4501 .5279 .6304	Po∢er ∀/m •12996 •19765 •98747 •06943 •10774 •69752	Excerimental Thermal Conductivity w/m.K  .02173 .02165 .02164 .02127 .02216 .02194	\$TAT • 205 • 907 • 003 • 007 • 907 • 006	Adjusted Thermal at a Nominal Tamperature of 234.1K #/m.K .02159 .02159 .02138 .02212 .02199	Conductivity Deviation from Corelation percent  .53 .67 .9836 .65 .03
91040 91039 91038 91037 91035	.820 .821 .521 .821 1.125 1.125 1.125	235.317 234.546 233.871 233.178 234.397	Density mol/L .4449 .4469 .4485 .4501	Power W/m .12996 .13765 .38747 .06943 .10774 .09752 .36943	Experimental Thermal Conductivity w/m.K  .02173 .02165 .02164 .02127 .02216 .02194 .02158	\$TAT • 2C5 • 007 • 003 • 007 • 007 • 005 • 205	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33
91040 91039 91038 91037 91035 91034 91033 91033	820 821 821 821 1.125 1.125 1.125 1.524 1.625	235.317 234.546 223.871 233.176 234.397 233.592 233.087 234.789 233.500	Density moi/L .4449 .4469 .4465 .4501 .5279 .6304 .6330	Poder W/m .12996 .12765 .98747 .06943 .10774 .08752 .96943 .12983 .08748	Experimental Thermal Conductivity W/m.K .02173 .02165 .02154 .02127 .02216 .02194 .02158 .02316 .02298	.005 .007 .003 .007 .007 .005 .005	Adjusted Thermal at a Nominal Fanoerature of 234.1K d/m.K	Conductivity Deviation from Corelation percent  .63 .67 .0836 .65 .03 -1.33 .60 .39
91040 91039 91038 91037 91035 91034 91033 91031 91029	.820 .821 .821 .821 1.125 1.125 1.125 1.625 1.624	235.317 234.546 233.871 233.178 234.397 233.592 233.592 233.592 233.592	Density mol/L .4449 .4469 .4485 .4501 .5279 .6304 .6330 .9449 .9532	Poder W/m .12996 .10765 .08747 .05943 .10774 .12983 .08748 .06937	Experimental Thermal Conductivity w/m.K  .02173 .02165 .02164 .02127 .02216 .02194 .02158 .02316 .07298 .02281	.005 .007 .007 .005 .007 .006 .005 .006 .006	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .3911
91040 91039 91038 91037 91035 91034 91033 91031 91029 91022 91028	820 821 921 821 1025 10125 10125 10426 10626 10626 1075	235.317 234.546 233.871 233.176 234.397 233.592 233.687 234.789 233.500 232.990 235.302	Density mol/L .4449 .4469 .4485 .4501 .5279 .6304 .6330 .9449 .9532 .9556	Power W/m .12996 .10765 .08747 .06943 .10752 .06943 .08748 .06937 .15411	Experimental Thermal Conductivity w/m.K  .02173 .02165 .02164 .02127 .02216 .02194 .02158 .02316 .07298 .02281 .02384	.005 .007 .003 .007 .005 .005 .005 .006 .006 .006	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .65 .03 -1.33 .60 .3911
91040 91039 91038 91037 91035 91034 91033 91031 91029 91028 91027	820 821 821 821 1025 10125 10125 10624 10625 10624 10975 10975	235.317 234.546 233.871 233.175 234.397 233.592 233.687 234.789 233.500 232.990 235.302 234.635	Density mol/L .4449 .4469 .4485 .4501 .5279 .6304 .6330 .9449 .9556 1.1834 1.1895	Poder W/m .12996 .10765 .08747 .06943 .10774 .08752 .26943 .12983 .08748 .06943 .15411 .12992	Experimental Thermal Conductivity w/m.K  .02173 .02165 .02164 .02127 .02216 .02194 .02158 .02316 .02281 .02281 .02384 .02400	\$TAT .9C5 .907 .003 .007 .005 .905 .906 .906	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .391103
91040 91039 91038 91037 91035 91034 91033 91031 91029 91022 91028	820 821 921 821 1025 10125 10125 10426 10626 10626 1075	235.317 234.546 233.871 233.176 234.397 233.592 233.687 234.789 233.500 232.990 235.302	Density mol/L .4449 .4469 .4485 .4501 .5279 .6304 .6330 .9449 .9532 .9556	Power W/m .12996 .10765 .08747 .06943 .10752 .06943 .08748 .06937 .15411	Experimental Thermal Conductivity w/m.K  .02173 .02165 .02164 .02127 .02216 .02194 .02158 .02316 .07298 .02281 .02384	.005 .007 .003 .007 .005 .005 .005 .006 .006 .006	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .65 .03 -1.33 .60 .3911
91040 91039 91038 91037 91035 91034 91033 91031 91029 91022 91028 91027 91025 91023	820 821 921 821 1025 10125 10125 10625 10625 10626 10975 1097	235.317 234.546 233.871 233.176 234.397 233.687 234.789 233.590 232.990 235.302 234.635 233.589 233.245 233.245	Density mol/L .4449 .4469 .4485 .4501 .5279 .6304 .6330 .9449 .9532 .9556 1.1983 1.1895 1.1983 1.2021	Power W/m  12996 12765 29747 26943 10774 29752 26843 08748 06937 15411 12992	Excerimental Thermal Conductivity W/m.K .02173.02165.02164.02127.02216.02158.022316.07298.02281.02384.02400.02399	STAT .005 .007 .007 .005 .005 .006 .014 .006 .014 .003	Adjusted Thermal at a Nominal Temperature of 234.1K //m.K	Conductivity Deviation from Corelation percent  .63 .67 .0836 .65 .03 -1.33 .60 .391103 .90 1.26
91040 91039 91038 91037 91035 91034 91023 91021 91022 91028 91027 91025 91023 91023	820 821 821 821 1025 10125 10125 10624 10625 1097	235.317 234.546 233.871 233.176 234.397 233.587 234.789 233.500 232.990 235.202 234.635 233.589 233.589	Density mol/L .4449 .4469 .4485 .4501 .5279 .6320 .9449 .9536 1.1895 1.1895 1.1983 1.2021 1.5447	Power W/m  12996 13765 137767 06943 10774 09752 26943 12983 08748 06937 15411 12992 10758 08741	Experimental Thermal Conductivity W/m.K  .02173 .02165 .02164 .02127 .02216 .02194 .02198 .02316 .02281 .02281 .02384 .02400 .02399 .02339 .02339 .02484 .02496	\$TAT .9C5 .907 .003 .007 .005 .905 .906 .906 .906 .906 .906 .906 .906	Adjusted Thermal at a Nominal Temperature of 234.1K //m.K	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .341103 .90 1.26 -1.147216
91040 91039 91038 91037 91035 91034 91033 91031 91029 91028 91027 91026 91027 91025 91023 91022	820 821 821 821 1.125 1.125 1.624 1.625 1.624 1.975 1.975 1.975 1.975 2.445 2.446 2.447	235.317 234.546 233.871 233.175 234.397 233.592 233.687 234.789 233.500 232.990 235.302 234.635 233.589 233.245 233.245 234.845 234.846	Density mol/L .4449 .4469 .4465 .4501 .5279 .6304 .6330 .9449 .9532 .11934 1.1983 1.2021 1.5447 1.5568	Power W/m  12996 12765 12765 12767 16943 10774 12983 12983 12983 12983 12983 12983 12983 12983 12983 12983 12983 12983	Experimental Thermal Conductivity W/m.K  .02173 .02165 .02164 .02127 .02216 .02194 .02158 .02316 .02298 .02316 .02298 .02384 .02400 .02389 .02389 .02484 .02496 .02471	\$TAT .2C5 .007 .003 .007 .005 .2C4 .006 .014 .003 .006 .030 .012 .005	Adjusted Thermal at a Nominal Temperature of 234.1K //m.K	Conductivity Deviation from Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .391103 .90 1.26 -1.147216 -1.02
91040 91039 91038 91037 91035 91034 91023 91021 91022 91028 91027 91025 91023 91023	820 821 821 821 1025 10125 10125 10624 10625 1097	235.317 234.546 233.871 233.176 234.397 233.587 234.789 233.500 232.990 235.202 234.635 233.589 233.589	Density mol/L .4449 .4469 .4485 .4501 .5279 .6320 .9449 .9536 1.1895 1.1895 1.1983 1.2021 1.5447	Power W/m  12996 13765 137767 06943 10774 09752 26943 12983 08748 06937 15411 12992 10758 08741	Experimental Thermal Conductivity w/m.K  .02173 .02165 .02164 .02127 .02216 .02194 .02158 .02316 .02291 .02384 .02400 .02399 .02339 .02484 .02496 .02491 .02483	\$TAT .9C5 .907 .003 .007 .005 .905 .906 .906 .906 .906 .906 .906 .906	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .63 -1.33 .60 .341103 .90 1.26 -1.147216 -1.0231
91040 91039 91038 91037 91035 91034 91033 91031 91029 91028 91027 91026 91027 91025 91023 91022	820 821 821 821 1.125 1.125 1.624 1.625 1.624 1.975 1.975 1.975 1.975 2.445 2.446 2.447	235.317 234.546 233.871 233.175 234.397 233.592 233.687 234.789 233.500 232.990 235.302 234.635 233.589 233.245 233.245 234.845 234.846	Density mol/L .4449 .4469 .4465 .4501 .5279 .6304 .6330 .9449 .9532 .11934 1.1983 1.2021 1.5447 1.5568	Power W/m  12996 12765 12765 12767 16943 10774 12983 12983 12983 12983 12983 12983 12983 12983 12983 12983 12983 12983	Experimental Thermal Conductivity W/m.K .02173 .02165 .02164 .02127 .02216 .02194 .02194 .02281 .02281 .02281 .02384 .02400 .02399 .02339 .02484 .02496 .02496 .02498 .02498 .02483 Experiment.i	\$TAT .2C5 .007 .003 .007 .005 .2C4 .006 .014 .003 .006 .030 .012 .005	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .341103 .90 1.26 -1.147216 -1.0231  Conductivity
91040 91039 91038 91037 91035 91034 91033 91031 91029 91027 91025 91025 91023 91022 91021 91024	820 821 821 821 1125 1125 1125 11624 11625 11624 11625 11975	235.317 234.546 233.871 233.175 234.397 233.592 233.687 234.789 233.500 232.990 235.302 234.635 233.589 233.245 234.844 234.845 234.846	Density mol/L .4449 .4469 .4469 .4501 .5279 .6304 .6330 .9449 .9536 1.1895 1.1895 1.1983 1.2021 1.5447 1.5447 1.5568 1.5627	Power W/m .12996 .10765 .09747 .06943 .10775 .06943 .12983 .08748 .06943 .12983 .08741 .12992 .10758 .08741 .12963 .10748 .08737	Experimental Thermal Conductivity W/m.K  .02173 .02165 .02164 .02127 .02216 .02194 .02158 .02316 .02298 .02384 .02400 .02389 .02389 .02484 .02496 .02496 .02471 .02483  Experimental Thermal	\$TAT .9C5 .007 .003 .007 .005 .005 .004 .006 .014 .006 .030 .012 .004 .004 .004	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .391103 .90 1.26 -1.147216 -1.0231  Conductivity Deviation
91040 91039 91038 91037 91035 91034 91033 91031 91029 91028 91027 91026 91027 91025 91023 91022	820 821 821 821 1125 1125 1125 11624 11625 11624 11625 11975	235.317 234.546 233.871 233.175 234.397 233.592 233.687 234.789 233.500 232.990 235.302 234.635 233.589 233.245 233.245 234.845 234.846	Density mol/L .4449 .4469 .4465 .4501 .5279 .6304 .6330 .9449 .9532 .11934 1.1983 1.2021 1.5447 1.5568	Power W/m  12996 12765 12765 12767 16943 10774 12983 12983 12983 12983 12983 12983 12983 12983 12983 12983 12983 12983	Experimental Thermal Conductivity W/m.K .02173 .02165 .02164 .02127 .02216 .02194 .02194 .02281 .02281 .02281 .02384 .02400 .02399 .02339 .02484 .02496 .02496 .02498 .02498 .02483 Experiment.i	\$TAT .2C5 .007 .003 .007 .005 .2C4 .006 .014 .003 .006 .030 .012 .005	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .391103 .90 1.26 -1.147216 -1.0231  Conductivity Deviation
91040 91039 91038 91037 91035 91034 91039 91032 91028 91027 91025 91023 91022 91021 91024	820 821 821 821 1125 1125 1125 11624 11625 11975	235.317 234.546 233.871 233.178 234.397 233.592 233.597 234.789 233.500 232.990 235.302 234.635 233.589 233.245 234.844 234.885 234.940 233.411	Density mol/L .4449 .4469 .4485 .4501 .5279 .6330 .9449 .9532 .9556 1.1983 1.2021 1.5447 1.5483 1.5568 1.5627	Power W/m  12996 107765 08747 06943 10774 08752 06943 12983 08748 06937 15411 12992 10758 08741 15395 08748 08737	Experimental Thermal Conductivity W/m.K  .02173 .02165 .02164 .02127 .02164 .02194 .02194 .02281 .02281 .02281 .02384 .02400 .02399 .02339 .02484 .02496 .02471 .02483  Experimental Conductivity W/m.K	STAT  .005 .007 .003 .007 .005 .004 .006 .014 .008 .005 .004 .008 .005	Adjusted Thermal at a Nominal Tamoerature of 234.1K //m.K  .02158 .02159 .02159 .02138 .02212 .02199 .02170 .02307 .02307 .02305 .02294 .02369 .02369 .02349 .02476 .02471 .02471 .02471 Adjusted Thermal at a Nominal Temperature of 242.3K //m.K	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .341103 .90 1.26 -1.147216 -1.0231  Conductivity Deviation From Corelation percent
91040 91039 91038 91037 91035 91034 91033 91031 91029 91027 91025 91025 91023 91022 91021 91024	8 20 8 21 9 21 9 21 1 125 1 125 1 125 1 625 1 625 1 624 1 975 1 975 1 975 2 445 2 444 Pressure MPa 975	235.317 234.546 233.871 233.178 234.397 233.592 233.592 233.597 234.789 235.302 235.302 234.635 233.589 233.589 233.589 233.589 233.645 234.844 234.865	Density mol/L  .4449 .4469 .4485 .4501 .527 .6304 .6330 .9449 .9532 .9556 1.1983 1.2021 1.5447 1.5488 1.55627	Power W/m .12996 .19765 .08747 .05943 .109752 .06943 .12983 .08748 .059752 .12992 .10758 .08741 .12992 .10758 .08741	Experimental Thermal Conductivity W/m.K  .02173 .02165 .02164 .02127 .02216 .02194 .02158 .02316 .02281 .02384 .02400 .02389 .02484 .02496 .02471 .02483  Experimental Conductivity	\$TAT .9C5 .007 .003 .007 .005 .005 .004 .006 .014 .006 .030 .012 .004 .004 .004	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K  .02158 .02159 .02159 .02138 .02212 .02199 .02170 .02307 .02307 .02305 .02294 .02369 .02369 .02349 .02474 .02490 .02474 .02490 .02471 .02491  Adjusted Thermal at a Nominal Temperature of 242.3K	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .391103 .90 1.26 -1.147216 -1.0231  Conductivity Deviation From Corelation
91040 91039 91038 91037 91035 91034 91033 91039 91029 91028 91027 91025 91023 91022 91021 91024	8 20 8 20 8 21 9 21 1 125 1 125 1 125 1 625 1 625 1 624 1 975 1 975 1 975 2 446 2 447 2 444 Pressure MPa 975 975 975	235.317 234.546 233.871 233.176 234.397 233.582 233.687 234.789 233.500 232.990 235.302 234.635 233.589 233.245 234.685 234.844 234.685 234.940	Density mol/L  .4449 .4469 .4465 .4501 .5279 .6304 .6330 .9449 .9532 .9556 1.1934 1.1895 1.1983 1.2021 1.5447 1.5483 1.5568 1.5627	Power W/m  12996 10765 08747 06943 10752 06943 12983 089752 105411 12992 107541 15395 12963 10748 08737	Experimental Thermal Conductivity W/m.K  .02173.02165.02164.02127.02216.02194.02158.02281.02281.02384.02400.02399.02484.02496.02471.02483  Experimental Conductivity W/m.K  .022cq.02288.02265	STAT  .005 .007 .003 .007 .005 .004 .006 .014 .008 .005 .004 .009 .005 .005	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K  .02158 .02159 .02159 .02165 .02138 .02212 .02170 .02307 .02307 .02309 .02294 .02369 .02369 .02349 .02474 .02490 .02471 .02491  Adjusted Thermal at a Nominal Temperature of 242.3K //m.K .02269 .02265 .02249	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .63 -1.33 .60 .341103 .90 1.26 -1.147216 -1.0231  Conductivity Deviation from Corelation percent
91040 91039 91038 91037 91035 91034 91033 91031 91022 91027 91025 91023 91022 91021 91024	820 821 821 821 1125 1125 1125 11624 11625 11624 11975	235.317 234.546 233.871 233.176 234.377 233.592 233.592 233.590 232.990 235.302 234.635 233.589 233.245 234.844 234.885 234.940 233.411	Density mol/L  .4449 .4469 .4469 .4485 .4501 .5279 .6330 .9449 .9532 .9556 1.1933 1.2021 1.5447 1.5483 1.5568 1.5627	Power W/m  12996 10765 08747 06943 10776 08752 26943 12983 08748 06937 15411 12992 10758 08741 15395 12963 10748 08737	Experimental Thermal Conductivity W/m.K  .02173.02165.02164.02127.022124.02158.02281.02281.02281.02281.02284.02400.02399.02339.02484.02496.02471.02483  Experimental Conductivity W/m.K  .02209.02288.02265.02259	STAT  .005 .007 .003 .007 .005 .004 .006 .012 .006 .004 .008 .005 .005 .005 .005	Adjusted Thermal at a Nominal Tamoerature of 234.1K //m.K  .02158 .02159 .02159 .02165 .02138 .02212 .02170 .02307 .02307 .02305 .02294 .02369 .02369 .02349 .02474 .02471 .02471 .02471 .02471 .02471 Temperature of 242.3K //m.K .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02269	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .341103 .90 1.26 -1.147216 -1.0231  Conductivity Deviation From Corelation percent  .^4 .5024
91040 91039 91038 91037 91035 91034 91033 91031 91022 91027 91025 91023 91022 91021 91024	MPA  .820 .821 .821 .821 1.125 1.125 1.624 1.625 1.624 1.625 1.975 1.975 1.975 2.446 2.447 2.444  Pressure MPa .975 .975 .975 .975	235.317 234.546 233.871 233.176 234.397 233.587 234.789 233.587 234.789 233.589 233.589 233.589 233.581 234.685 234.685 234.944 234.685 234.944 234.685 234.944 234.685 234.944 234.685 234.944 234.685 234.944 234.685 234.944 234.685	Density mol/L  .4449 .4469 .4465 .4501 .5279 .6304 .6330 .9449 .9556 1.1895 1.1895 1.1983 1.2021 1.5447 1.5483 1.5568 1.5627	Power W/m  12996 107765 09747 06943 10774 09752 12983 08748 06943 112992 10758 08741 112992 10758 08747 115395 10748 08737	Experimental Thermal Conductivity W/m.K  .02173 .02165 .02164 .02127 .02216 .02194 .02158 .02316 .02281 .02384 .02400 .02399 .02399 .02339 .02484 .02496 .02471 .02483  Experimental Conductivity W/m.K .02269 .02286 .02265 .02259 .02426	STAT  .005 .007 .007 .006 .006 .006 .014 .006 .030 .005 .005 .005 .005 .005 .005 .005	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K	Conductivity Deviation From Corelation percent  .63 .67 .0836 .65 .03 -1.33 .60 .391103 .90 1.26 -1.147216 -1.0231  Conductivity Deviation From Corelation percent  .44 .502411
91040 91039 91038 91037 91035 91034 91033 91031 91022 91027 91025 91023 91022 91021 91024	820 821 821 821 1125 1125 1125 11624 11625 11624 11975	235.317 234.546 233.871 233.176 234.377 233.592 233.592 233.590 232.990 235.302 234.635 233.589 233.245 234.844 234.885 234.940 233.411	Density mol/L  .4449 .4469 .4469 .4485 .4501 .5279 .6330 .9449 .9532 .9556 1.1933 1.2021 1.5447 1.5483 1.5568 1.5627	Power W/m  12996 10765 08747 06943 10776 08752 26943 12983 08748 06937 15411 12992 10758 08741 15395 12963 10748 08737	Experimental Thermal Conductivity W/m.K  .02173.02165.02164.02127.022124.02158.02281.02281.02281.02281.02284.02400.02399.02339.02484.02496.02471.02483  Experimental Conductivity W/m.K  .02209.02288.02265.02259	STAT  .005 .007 .003 .007 .005 .004 .006 .012 .006 .004 .008 .005 .005 .005 .005	Adjusted Thermal at a Nominal Tamoerature of 234.1K //m.K  .02158 .02159 .02159 .02165 .02138 .02212 .02170 .02307 .02307 .02305 .02294 .02369 .02369 .02349 .02474 .02471 .02471 .02471 .02471 .02471 Temperature of 242.3K //m.K .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02269	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .341103 .90 1.26 -1.147216 -1.0231  Conductivity Deviation From Corelation percent  .^4 .5024
91040 91039 91038 91037 91035 91034 91033 91032 91027 91028 91027 91025 91023 91022 91021 91024 81017 91018 91017 91018 91017 91018	MPA  .820 .821 .821 .821 .125 .1.125 1.125 1.624 1.625 1.624 1.975 1.975 1.975 2.446 2.447 2.444  Pressure MPa .975 .975 .975 .975 .975 .975 .975	235.317 234.546 233.871 233.176 234.377 233.592 233.592 233.590 232.990 235.302 234.635 233.585 233.585 234.844 234.885 234.944 234.885 234.944 234.885 234.944 234.885 234.944 234.885 234.944 234.885 234.946 233.411	Density mol/L  .4449 .4469 .4469 .4501 .5279 .6330 .9449 .9536 .1934 1.1895 1.1983 1.2021 1.5447 1.5483 1.5568 1.5627  Density mol/L .5085 .5101 .0378 1.0487 1.0487 1.0516	Power W/m  12996 10765 09747 06943 10758 06943 12983 08748 06937 15411 12992 10758 08741 15395 12963 10748 08737	Experimental Thermal Conductivity W/m.K  .02173.02165.02164.02127.022124.02158.02316.07298.02281.02384.02400.02339.02484.02496.02471.02483  Experimental Conductivity W/m.K  .02299.02288.02265.02259.02426.02449.02392	STAT  .005 .007 .003 .007 .005 .004 .006 .013 .006 .030 .012 .005 .004 .008 .005 .007	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K  .02158 .02159 .02159 .02138 .02212 .02170 .02307 .02307 .02305 .02294 .02369 .02369 .02349 .02474 .02490 .02474 .02490 .02471	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .341103 .90 1.26 -1.147216 -1.0231  Conductivity Deviation From Corelation percent  .44 .50212431
91040 91039 91038 91037 91035 91033 91031 91022 91027 91028 91027 91025 91023 91022 91021 91024 91021 91016 91016 91016 91016 91016 91016 91016 91016 91016 91016 91016 91017	MPA  .820 .821 .821 .821 1.125 1.125 1.624 1.625 1.624 1.625 1.975 1.975 1.975 2.446 2.447 2.444  Pressure MPa  .975 .975 1.868 1.868 1.869 1.870 2.586	235.317 234.546 233.871 233.57 234.377 233.587 233.587 233.587 233.587 233.589 233.589 233.589 233.589 233.581 234.685 234.685 234.685 234.685 234.685 234.685 234.789 233.411	Density mol/L  .4449 .4469 .4485 .4501 .5279 .6304 .6330 .9449 .9532 .9556 1.1934 1.1895 1.1983 1.2021 1.5483 1.55483 1.55627  Density mol/L .5085 .5121 .5141 .0378 1.0450 1.0487 1.75161	Poder W/m  12996 10765 08747 06943 10774 12983 08743 12983 08741 11983 10758 1	Experimental Thermal Conductivity W/m.K  .02173.02165.02164.02127.021164.02194.02158.02281.02281.02384.02400.02389.02484.02498.02471.02483  Experimental Conductivity W/m.K  .02299.02288.02265.02249.02265.02269.02269.02269.02269.02269.02269.02269.02269.02249.02269.02269.02269.0226449.02392.02564	STAT  .005 .007 .005 .005 .006 .005 .006 .014 .003 .005 .005 .005 .005 .005 .005 .005	Adjusted Thermal at a Nominal Famoerature of 234.1K //m.K	Canductivity Deviation From Corelation percent  .53 .67 .08 .36 .66 .03 -1.33 .60 .39 -1103 .90 1.26 -1.147216 -1.0231  Conductivity Jeviation From Corelation percent  .^4 .*U24*1 .7**8 -1.3*43
91040 91039 91038 91037 91035 91034 91033 91032 91027 91028 91027 91025 91023 91022 91021 91024 81017 91018 91017 91018 91017 91018	MPA  .820 .821 .821 .821 .125 .1.125 1.125 1.624 1.625 1.624 1.975 1.975 1.975 2.446 2.447 2.444  Pressure MPa .975 .975 .975 .975 .975 .975 .975	235.317 234.546 233.871 233.176 234.377 233.592 233.592 233.590 232.990 235.302 234.635 233.585 233.585 234.844 234.885 234.944 234.885 234.944 234.885 234.944 234.885 234.944 234.885 234.944 234.885 234.946 233.411	Density mol/L  .4449 .4469 .4469 .4501 .5279 .6330 .9449 .9536 .1934 1.1895 1.1983 1.2021 1.5447 1.5483 1.5568 1.5627  Density mol/L .5085 .5101 .0378 1.0487 1.0487 1.0516	Power W/m  12996 10765 09747 06943 10758 06943 12983 08748 06937 15411 12992 10758 08741 15395 12963 10748 08737	Experimental Thermal Conductivity W/m.K  .02173.02165.02164.02127.022124.02158.02316.07298.02281.02384.02400.02339.02484.02496.02471.02483  Experimental Conductivity W/m.K  .02299.02288.02265.02259.02426.02449.02392	STAT  .005 .007 .003 .007 .005 .004 .006 .013 .006 .030 .012 .005 .004 .008 .005 .007	Adjusted Thermal at a Nominal Tamoerature of 234.1K //m.K  .02158 .02159 .02159 .02165 .02139 .02212 .02170 .02307 .02307 .02305 .02294 .02369 .02369 .02349 .02474 .02490 .02474 .02491 Adjusted Thermal at a Nominal Temperature of 242.3K //m.K .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02269 .02398	Conductivity Deviation From Corelation percent  .53 .67 .0836 .65 .03 -1.33 .60 .341103 .90 1.26 -1.147216 -1.0231  Conductivity Deviation From Corelation percent  .44 .50212431

91009	2.587	243.169	1.5534	.09148	.02564	. 007	.02559	72
91007	3.298	244.470	2.0956	.15080	.02737	.C03	.02729	-1.58
91006	3.299	243.949	2.1066	.13554	.02736	• 205	.02731	-1.58
91005	3.290	243.349	2.1191	.11227	.02669	.004	.02666	-4.33
91008	3.287	242.877	2.1264	.09131	.02716	.005	.02714	-2.57
91004	3.921	244.006			.02994			
			2.6651	.16053		•004	•02995	29
91003	3.985	243.571	2.682F	.13544	.03000	.007	.03001	33
91001	3.888	242.761	2.7127	.09134	.03014	• 304	.03015	31
97052	7.175	239.847	11.2614	. 35496	.07007	.015	•06855	-4.22
97155	7.175	239.544	11.3355	.31721	.07136	.318	.05984	-2.49
07050	7.177	239.280	11.4782	.28073	.07509			
						•017	•07369	2.50
97054	7.175	239.173	11.5141	.24763	•07563	.025	•07426	3.15
97056	7.174	239.943	11.5983	.19683	•37872	.031	•07742	6.90
97051	7.175	238.909	11.6145	.21578	.07731	.028	•07602	5.15
97353	7.175	238.677	11.5978	.15934	.08056	.040	•07934	8.91
97027	7.543	240.502	11.9895		.07396	.009	.07310	.62
97026	7.643	239.058	12.0599	• 35658	.07528	•012	.07418	1.59
97025	7.644	239.804	12.1091	.28325	•07605	•017	• 97488	2.37
97028	7.643	239.714	12.1344	•31862	•07560	.014	•07444	1.72
97049	8.966	242.561	12.6646	.85895	.07377	.004	.07415	38
97049	8.957	242.562	12.8875	.73957	.07438	.004	.07449	77
97047	8.957	241.935		.63037	.07493		•07485	92
			13.0456			.005		
97046	8.957	241.219	13.1988	.52955	.07523	.007	.07497	-1.41
97045	8.967	240.626	13.3231	.43824	•07566	• 209	•07527	-1.58
97044	8.967	240.000	12.4521	.35505	.07627	.010	.07575	-1.55
97043	10.888	243.598	14.0178	. 85944	. 27903	.004	.07916	11
07742	10.988	242.6R5	14.1597		.07943	004	.07947	56
97041	10.988	241.954	14.2717					58
				.53088	.08003	• 005	•08000	
97040	10.897	241.299	14.3709	•53026	800PC	.007	.06000	-1.21
97139	10.887	240.675	14.4544	.43848	.08059	.009	•08045	-1.24
97038	10.887	240.084	14.5521	.35521	•08094	.012	.08077	-1.44
97037	12.898	243.633	14.8749	.85966	.08342	.005	.08343	43
97035	12.898	242.905	14.9654	.74147	.08412	.005	.08412	27
97035	12.898	242.165	15.0569	.63178	.08424	.009	.08424	91
97034	12.807	241.604	15.1255	.53087	.08465	.007	.08455	85
97033	12.895	241.021	15.1960	.43913	.08489	.008	•98489	-1.11
97032	14.755	243.915	15.4286	.85572	.08841	•003	.08335	1.06
97031	14.755	243.371	15.4873	.73869	.09868	.005	.08964	• 91
97030	14.754	242.784	15.5506	.53069	.08929	.001	. 18927	1.10
97023	14.951	243.117	15.5710	85955	.08722	.005	.08719	-1.43
97029	14.754	242.370	15.5951	•53166	.09015	.001	.09015	1.70
97322	14.961	242.482	15.6385	.74120	.08784	.005	.08783	-1.25
97021	14.960	241.844	15.7034	.63147	.08817	.006	.08819	-1.39
97024	14.963	241.437	15.7494	.53389	.OF910	.009	.08914	70
97020	23.365	243.359	17.1706	.97851	.10133	.001	•10120	-1.09
97019	23.365	242.500	17.2347	.85172	.10142	.001	•10139	-1.54
c7019	23.364	241.917	17.2855	.73411	•10154	.001	.10159	-1.85
97017	23.761	241.184	17.3321	.52517	.10175	.001	.10189	-2.04
97015	31.724	243.641	19.1638	1.11219	.11181	. 201	.11162	-1.33
97015	31.722	243.020	18.2021	.97702	.11217	.001	•11207	-1.33
97014	31.719	242.131	19.2567	.85081	.11225	.001	.11227	-1.72
97013	31.718		19.3009			.001		-1.95
		241.414		.73337	•11241		•11253	
97012	43.479	243.241		1.11356	.12514	.001	.12499	95
97011	43.477	242.535	19.2406	• 97861	•12512	.001	•12508	-1.27
97r10	43.474	241.912	19.2730	. 55196	•12597	.001	.12632	86
27009	43.471	241.298	19.3053	.73366	.12433	.008	.12448	-2.46
97908	55.419	243.539		1.25984	.13681	.001	•13659	21
97007	5F.417	242.7RO		1.11395	.13663	.001	.13655	67
97005	55.417	241.996	20.0399		•13678	.001	•13682	87
97005	55.413	241.379	20.0673		•13737	.001	.13751	67
97002	67.094	243.238		1.26078	•14728	.001	.14712	•39
97001	67.093	242.622	20.5184	1.11613	.14738	.001	•14732	• 24
97104	67.097	241.893	20.5495	.98156	.14810	.001	.14816	. 47
97003	57.097	241.479	20.5573		•14866	.001	.14879	•70
. 5 . 5	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		200,011		• • • • • •		******	
					Experimental		Adjusted Thermai	Conductivity
					Thermai		at a Nominal	Deviation
0 D.A	D = = = = = =	Tanahankuna	Dama Lhu	0		CTAT		
Pun Pt.	Pressura	Temperature	Dansity	Power	Conductivity	STAT	Temperature of 253.8K	
	MPq	K	mol/L	W/m	W/m.K		W∕π•K	percent
9174	.912	255.040	.4524	.14174	.02381	.003	.02365	.14
89173	.912	254.444	· 4538	.11744	.02365	.003	.02358	21
89172	.913	253.593	.4558	.09543	.02358	.002	.02360	15
F9171	.914	252.864	.4577	.07570	.02345	.004	.02356	37
89170	1.902	255.304	1.0016	.15821	.02516	•002	.02499	51
89169	1.902	254.553	1.0058	.14168	.02494	•005	.02486	-1.11
99169	1.402	253.797	1.0100	.11724	.02495	.003	. 72495	77
F9167	1.903	253.279	1.9126	.09527	.02469	.007	.02474	-1.68
89166	2.778	255.292	1.5552	.19702	.02681	.015	. 32666	30
89165	2.778	254.710	1.5613	•15R11	.02673	.002	•02664	44
								53
64144	2.778 2.779	252.914	1.5698	.14160	.02665	.002	.32664	
89153	7 770	253.471	1.5750	.11723	.02645	.003	. 0 2 6 4 8	-1.19
89161	3.435	255.130	2.0288	.19688	•02942	.003	• 32839	• 22
89161 99160			2.0288	.19688	•02942 •02829	.003	•02830 •02824	• 22 -•15
	3.435 3.437	255.130	2.0411	.14800	• 08 B 8 0 •	.003	.32824	
99160 99159	3.435 3.437 3.438	255.130 254.405 253.782	2.0411 2.0521	.14800 .14149	•0283 <b>7</b>	.003	•32824 •028 <b>37</b>	15 .20
99160	3.435 3.437	255.130 254.405	2.0411	.14800	• 08 B 8 0 •	.003	.32824	15

89158	3.936	255.575	2.4181	.22741	.02951	.002	. 32936	68
	3.936	254.852	2.4345	.17633	.02955	.002	.02947	53
89157								
39155	3.938	254.129	2.4519	.16747	·029F5	.002	.02952	54
89155	3.939	253.313	2.4719	.14390	.02853	.003	.02857	-4.16
89154	4.495	255.480	2.9169	.25080	.03029	.011	.03018	-4.07
99153	4.497	254.645	2.9448	.22733	.03035	13ن و	.03030	-4.03
89152	4.490	254.027	2.9668	.19518	.03050	.017	.03049	-3.66
89151	4.501	253.512	2.7863	•16726	.03060	•021	.03062	-3.47
8 91 50	4.925	254.905	3.3710	.26065	.03257	.011	.03252	-2.21
89149	4.928	254.363	3.3955	.22747	.03215	.014	.03213	-3.7 b
_								
99148	4.928	253.759	3.4726	.19518	•03357	.319	•03357	.34
89147	4.920	253.174	3.450?	.16724	.03398	.021	.03400	1.26
89146	5.402	25 - 347	3.8895	.29576	.03598	.011	. 035 95	1.22
P 9145	F.403	254.704	3.9272	.26004	•03633	.015	.03631	1.74
89144	5.404	254.214	3.9579	.22559	.23631	.018	.03530	1.32
89143	5.405	253.700	3.9905	.19548	.03595	.322	.02595	07
P 91.42	5.735	254.777	4.4190	.29551	.03618	.013	.03919	. 44
A9141	5.785	254.472	4.4429	.25022	.03849	.015	.03850	. 93
89140	5.786	253.876	4.4912	.22700	.03878	.019	.03878	1.04
B 91 3 9	5.785	253.223	4.5451	.19564	• 03 874	•024	.03873	. 20
89138	6.095	254.633	4.8812	.29545	.04052	.014	•04055	. 46
89137	6.095	254.063	4.9365	. 26056	.0408F	.016	.04086	.53
89136	5.095	253.592	4.9851	.22712	.04113	.021	.04112	• 53
89135	5.097	252.945	5.0540	•19585	• 04 145	.025	.04140	.33
89134	6.352	254.183	5.3554	.29622	•04293	.014	.04296	.21
89133	6.362	254.041	5.3729	.26059	.04355	.018	.04357	1.39
99132	6.363	253.268	5 • 46 84	.22720	•04388	.021	.04383	. 81
89131	5.364	252.923	F.5147	.19595	.04423	.027	.04415	. 95
99130	6.572	254.239	5.7119	.29671	.04503	.015	.04507	.60
89129	6.573	253.762	5.7786	.26116	.04554	.019	.04554	. 81
89128	5.574	253.215	5.8588	.22755	.04580	.022	.04573	. 27
89127	6.575	252.704	5.9365	.19621	.04613	.02 ₽	.04599	09
89126	6.379	254.368	6.2540	.29869	•94827	.017	.04835	1.17
89125	F.879	253.488	6.3996	.26124	.04849	.019	.04844	28
39124	6.879	253.039	5.4778	.22761	.04886	.024	•04874	54
89123	5.883	252.590	6.5598	.19645	• 04 925	.030	.04905	82
89122	7.077	254.076	5.5836	.29518	.05033	.318	.05037	.50
89118	7.097	254.293	6.6836	.29855	•0505R	.016	.05066	1.06
89121	7.077	253.747	6.7437	.25993	.05121	.021	•05120	1.47
89117	7.097	253.954	6.7459	.26397	.05094	.021	.05097	1.00
99120	7.076	253.539	6.7820	•22711	•05158	•025	.05153	1.71
P9110	7.075	253.527	6.7841	.19683	.05262	.031	.05257	3.63
99116	7.098	253.214	6.8857	.22856	.05131			02
						.026	.05120	
89115	7.098	253.025	6.9252	.19750	•05206	•030	•05192	. 96
89114	7.380	253.564	7.3928	.29567	.05264	.017	.05259	-2.38
89113	7.380	252.956	7.5245	.26038	. 35324	.021	.05306	-2.72
89112	7.381	252.637	7.5965	.22697	.05389	.025	•05363	-2.29
39111	7.381	252.169	7.7044	•1958?	•05431	.032	.05393	-2.69
P9109	7.544	253.615	7.7137	.25236	.05598	.022	.05594	. 91
89110	7.543	253.538	7.7300	.29578	.05528	.013	.05522	52
89108	7.544	252.596	7.9476	.22699	.35590	.327	•05562	-1.66
89107	7.544	252.218	8.0399	.19592	.05632	.034	.05594	-1.63
89105	7.752	253.376	8.1887	.29535	.35740	.019	•05730	58
89105	7.752	252.987	8.2827	.25048	.05746	.021	•05727	-1.37
89104	7.752	252.628	8.3705	.22720	.05778	.028	.05750	-1.62
89103	7.752	252.525	P.3961	.19547	.05874	.035	.05843	19
39100	8.129	253.975	8.7754	.26210	.06214	.025	.06218	3.36
89102	8.129	253.950	8.7823		.06058	- 017	.06051	
89101		253.869		•33326		.017		• 82
	R.129		P.8019	•29620	.06146	.021	.06148	2.06
39099	8.129	253.295	8.9429	.22737	•06276	.031	.06264	3.04
89098	8.129	252.953	9.0274	•19611	.05244	.040	.06224	1.90
89096	8.402	252.937	9.5300	.29556	.06187			-1.90
						•020	.06167	
89095	8.40?	252.763	9.5744	.26105	•06217	.024	.06193	-1.72
R9094	8.402	252.443	9.6567	.22777	•06308	.030	.06277	80
89097	8.402	252.138	9.7357	.19576				48
					.06361	•33B	.06322	
99093	8 • 66 <b>2</b>	253.296	9.8789	.33423	•06277	.017	.06266	-2.12
89092	8.662	252.945	9.9562	.29572	.06343	•002	.06325	-1.62
89091	8.662	252.675	10.0342	.26101	.05390	.002		-1.29
							.06366	
89089	8.826	253.503	10.0880	.33420	.06437	.002	.06431	53
99090	P.652	252.439	10.0938	.22770	.05419	.003	.06390	-1.20
89088	8.825	253.338	10.1283	.29572				
					.0648C	• 002	. 06471	11
89087	8 • 8 2 6	253.264	10.1465	·260P5	.06561	•002	•06550	1.02
89986	8.826	252.478	10.3403	.22766	.06522	.002	.06495	72
89085	9.312	253.725	10.7265	.33376	.06584	.001	• 055 83	.39
89082	9.312	253.605	10.7540	.26065	•06837	• 002	.96834	2.47
89083	9.312	253.304	10.8229	.29540	.06751	.002	.06743	. #6
89084	9.312	252.965	10.9005	.22776	. 05 834	.002	.06920	1.65
89081	9.789	253.515	11.3433	.37463	•06770	.001	.06756	-1.07
89080	9.789	253.131	11.4247	.33431	.06789	•002	.36780	-1.22
89079	9.789	252.918	11.4695	.29537	.06841	.002	•06830	59
89078	9.789	252.460	11.5653	•26035	.06846	• 202	.06829	-1.13
89077	10.303	254.235	11.7187	•46180	.06882	.001	.06886	97
89076	10.303	253.477	11.8665	.37432	.06934	.001	.06931	-1.00
89075	10.303	252.881	11.9820	.29637	.06991	.002	.06982	79
89074								
	10.303	252.691	12.0188	.26093	.07018	.002	.07008	( )
89073	10.862	254.422	12.1702	.50881	.07060	.001	.07064	51

	10.861	253 670	12.2483	.45198	.07066	0.01	07047	- 04
89072		253.978				.001	.07057	86
89071	10.861	253.295	12.3697	•37470	.07128	.001	.07125	64
89070	10.861	252.806	12.4567	.29572	.Ü716R	.002	.07162	56
89059	11.628	254.616	12.6934	.55750	.07236	.001	.07239	72
99068	11.628	253.997	12.7928	.46155	.07301	.001	.07302	36
95057	11.627	253.361	12.8933	.37435	.07342	.001	.07341	40
39966	11.627	252.670	13.0030	.29657	.07382	.002	• 07379	49
89065	12.351	254.637	12.1283	.55807	.07449	.001	.07450	26
89264	12.350	253.961	13.2271	.46150	.07509	.001	.07509	64
89063	12.350	253.345	13.3172	.37412	.07552	.001	.07552	01
8976?	12.349	252.6 <b>7</b> 9	13.4137	• 29656	.07591	.002	.07591	08
89061	13.518	254.747	13.6966	.55715	.07783	.001	• 07780	• 59
99060	13.517	254.041	13.7882	.45094	.07850		.07849	
						.001		. 86
89059	13.517	253.329	13.8807	.37398	.07867	.001	.07869	.49
99758	13.516	252.884	13.9374	.29540	.07938	.002	.07941	1.02
99057	14.624	254.999	14.1216	.55763	.08092	.001	.08085	1.54
89053	14.729	254.664	14.2005	.55731	.08072		.08067	
						.001		•75
890 = 6	14.624	254.269	14.2083	•46121	.08100	.001	.08093	1.07
89055	14.624	253.570	14.2886	.37428	.08165	.001	•08166	1.33
39052	14.727	253.724	14.3108	.45050	.08094	.001	.08094	. 29
890F1	14.728	253.489	14.3382					
				.37400	.08135	.071	.08137	•61
89054	14.624	253.160	14.3391	.29652	.08225	.002	•08229	1.71
89049	14.373	254.323	14.7856	.55740	.08383	.001	.08379	•13
89048	16.372	253.521	14.3693	.45129	.09389	.301	•08391	39
39947	16.371	252.994	14.9239	.37450	.08442	.001	.08449	14
90046	16.369	252.471	14.9778	.29542	.08429	.002	.08440	68
99045	18.317	255.057	15.2419	.66318	.08711	.001	•08699	•16
89044	18.316	254.120	15.3310	.55778	.08728	.001	.08725	30
89043	18.313	253.493	15.3891	.46157	.09763	.001	.38766	32
89042	18.313	252.912	15.4434	.37447	.08759	.002	.08768	77
89941	20.564	255.121	15.7476	.65253	.09196	.001	.09181	1.17
89040	20.564	253.997	15.8433	.55726	.09137	.001	.09135	19
30030	20.553	253.347	15.8967	•45086	.09170	.001	.09175	23
6 4 0 3 8	20.544	252.848	15.9409	.37443	.09210	.001	•09221	13
890 <b>37</b>	23.433	254.535	16.3331	.55279	.09554	.001	.09547	28
P9035	23.431	253.854	15.3843	•55728	.09576	.001	.09575	47
P9034	23.429	253.295	16.4276	.46122	.09605	.002	.09611	50
P 90 3 5	23.431	252 <b>.</b> 788	16.4659	.37424	.09653	.002	•09666	31
89033	26.796	254.592	16.8516	.66212	.10096	.001	.10085	. 25
89032	26.796	254.034	15.8905					
				.55752	•10128	.301	.10125	• 26
99030	25.793	253.264	16.9438	.45973	.10045	.001	.10052	99
87071	26.795	252.800	16.9754	.41634	.10075	.002	.10099	94
89029	30.635	255.136	17.3192	.83834	.10509	.001	.10490	43
89028	30.635	254.779	17.3420	.77653	.10513	.001	.10499	57
90027	30.635	254.155	17.3917	.65211	.10537	.001	• <b>1</b> 0532	66
89026	30.633	253.237	17.4402	.55360	.10552	.001	.10560	98
99025	35.331	255.685	17.8098	.90028	.11117	.001	.11089	.17
			17.8689				.11095	
89024	35.328	254.671				001		_ 30
99023	35.328			.77600	.11108	.001		38
89022		253.921	17.9128	.56247	•11108 •11127	.001	.11125	55
	35.325							
		253.921 253.687	17.9128 17.9261	.56247 .55580	•11127 •11143	.001	•11125 •11145	55 51
89018	37.252	253.921 253.687 255.239	17.9128 17.9261 18.0271	.56247 .55580 .89914	•11127 •11143 •11326	.001 .001	.11125 .11145 .11304	55 51 13
89018 89019	37.252 37.257	253.921 253.687 255.239 254.510	17.9128 17.9261 18.0271 18.0589	.56247 .55580 .89914 .77617	•11127 •11143 •11324 •11416	.001 .001 .001	.11125 .11145 .11304 .11405	55 51 13 .33
89018 89019 89020	37.252 37.257 37.257	253.921 253.687 255.239	17.9128 17.9261 18.0271 18.0589 18.0945	.56247 .55580 .89914	•11127 •11143 •11326	.001 .001	.11125 .11145 .11304 .11405 .11406	55 51 13 .33 .08
89018 89019	37.252 37.257	253.921 253.687 255.239 254.510	17.9128 17.9261 18.0271 18.0589	.56247 .55580 .89914 .77617	•11127 •11143 •11324 •11416	.001 .001 .001	.11125 .11145 .11304 .11405	55 51 13 .33
89018 89019 89020 89021	37.252 37.257 37.257 37.251	253.921 253.687 255.239 254.510 254.059 253.447	17.9128 17.9261 18.0271 18.0689 18.0945 18.1287	.56247 .55580 .89914 .77617 .66211	.11127 .11143 .11326 .11416 .11410	.001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406	55 51 13 .33 .08
89018 89019 89020 89021 89015	37.252 37.257 37.257 37.251 47.077	253.921 253.687 255.239 254.510 254.059 253.447 255.293	17.9128 17.9261 18.0271 18.0689 18.0945 19.1287 18.8555	.56247 .55580 .89914 .77617 .66211 .55655	.11127 .11143 .11326 .11416 .11410 .11433 .12315	.001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438	55 51 13 .33 .08 .01
89018 89019 89020 89021 89015 89014	37.252 37.257 37.257 37.251 47.077 47.088	253.921 253.687 255.239 254.510 254.059 253.647 255.293 254.642	17.9128 17.9261 18.0271 18.0689 18.0945 19.1287 18.8555 18.8888	.56247 .55580 .89914 .77617 .66211 .55455 1.03193 .89931	.11127 .11143 .11374 .11416 .11410 .11433 .12315 .12365	.001 .901 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291	55 51 13 .33 .08 .01 37
89018 89019 89020 89021 89015 89014 89013	37.252 37.257 37.257 37.251 47.077 47.088 47.077	253.921 253.687 255.239 254.510 254.059 253.447 255.293 254.642 254.157	17.9128 17.9261 18.0271 18.0689 18.0945 18.1287 18.8555 18.8888 18.9122	.56247 .55580 .89914 .77617 .66211 .55655 1.03193 .89931 .77538	.11127 .11143 .11326 .11416 .11410 .11433 .12315 .12365 .12364	.001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352	55 51 13 .33 .08 .01 37 23
89018 89019 89020 89021 89015 89014	37.252 37.257 37.257 37.251 47.077 47.088	253.921 253.687 255.239 254.510 254.059 253.647 255.293 254.642	17.9128 17.9261 18.0271 18.0689 18.0945 19.1287 18.8555 18.8888	.56247 .55580 .89914 .77617 .66211 .55655 1.03193 .89931 .77538	.11127 .11143 .11374 .11416 .11410 .11433 .12315 .12365	.001 .901 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291	55 51 13 .33 .08 .01 37
89018 89019 89020 89021 89015 89014 89013	37.252 37.257 37.257 37.251 47.077 47.088 47.077	253.921 253.687 255.230 254.510 254.059 253.447 255.293 254.642 254.157 253.636	17.9128 17.9261 18.0271 18.0589 18.0945 18.1287 18.8555 18.8888 18.9122 18.9383	.56247 .55580 .89914 .77617 .66211 .55455 1.03193 .89931 .77638	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428	.001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358	55 51 13 .33 .08 .01 37 23 42
89018 89019 89020 89021 89015 89014 89013 89016 69017	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.078 47.078	253.921 253.687 255.239 254.510 254.059 253.447 255.293 254.642 254.157 253.636	17.9128 17.9261 18.0271 18.0689 18.0945 18.1287 18.8555 18.8888 18.9122 18.9383 18.9658	.56247 .55580 .89914 .77617 .66211 .55655 1.03193 .89931 .77638 .66163	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431	55 51 13 .33 .08 .01 37 23 42 11
89018 89019 89020 89021 89015 89014 89013 89016 69017 89012	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.078 47.078 51.054	253.921 253.687 255.239 254.510 254.059 253.447 255.293 254.642 254.157 253.636 253.002 256.050	17.9128 17.9261 18.0271 18.0689 18.0945 18.1287 18.8555 18.8888 18.9122 18.9658	.56247 .55580 .8991 .77617 .55455 1.03193 .89931 .7753 .66143 .55579	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12447 .12735	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458	55 51 13 .33 .08 .01 37 23 42 11
89018 89019 89020 89021 89015 89014 89013 89016 69017 89012 89011	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.078 47.083 51.054 51.051	253.921 253.687 255.239 254.510 254.059 253.447 255.293 254.642 254.157 253.636 253.092 256.650 255.298	17.9126 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.9888 18.9122 18.9383 18.9658 19.1031	.56247 .55580 .8991 .77617 .66211 .55455 1.03193 .89931 .77638 .66143 .5557 1.17241	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12427 .12759	.001 .901 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699	55 51 13 .33 .08 .01 37 23 42 11 18
89018 89019 89020 89021 89015 89014 89013 89016 69017 89012 89011 89010	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.078 47.083 51.054 51.051 51.053	253.921 253.687 255.230 254.510 254.059 253.447 255.293 254.642 254.157 253.636 253.092 256.050 255.208	17.9126 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.8888 18.9122 18.9383 18.9658 19.1031 19.1389	.56247 .55580 .89914 .77617 .66211 .55655 1.03193 .89931 .77638 .66163 .55579 1.17241 1.02997	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759	.001 .901 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735	55 51 13 .33 .08 .01 37 23 42 11 18 .29
89018 89019 89020 89021 89015 89014 89013 89016 69017 89012 89011	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.078 47.083 51.054 51.051	253.921 253.687 255.239 254.510 254.059 253.447 255.293 254.642 254.157 253.636 253.092 256.650 255.298	17.9126 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.8888 18.9122 18.9383 18.9658 19.1031 19.1389	.56247 .55580 .8991 .77617 .66211 .55455 1.03193 .89931 .77638 .66143 .5557 1.17241	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12427 .12759	.001 .901 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699	55 51 13 .33 .08 .01 37 23 42 11 18
89019 89019 89070 89070 89015 89015 89013 89016 69017 89012 89011 69010 89009	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.078 47.083 51.054 51.051 51.053 51.050	253.921 253.687 255.230 254.550 254.059 253.447 255.293 254.642 254.157 253.636 253.092 256.050 255.299 254.640 253.800	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.9383 18.9658 19.1031 19.1389 19.1705	.56247 .55580 .8991 .77617 .66211 .55455 1.03193 .89931 .77538 .66143 .55579 1.17241 1.0297 .99763 .77080	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12735 .12759	.001 .901 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782	55 51 13 .33 .08 .01 37 23 42 11 18 .29 .19 .23 48
89019 89019 89070 89070 89071 89015 89014 89016 69017 89012 89011 89010 89009	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.078 47.078 51.054 51.051 51.053 51.053 51.050	253.921 253.687 255.239 254.510 254.059 253.447 255.293 254.642 254.157 253.636 253.002 256.050 255.298 254.640 253.800 255.208	17.9126 17.9261 18.0271 18.0271 18.0245 18.9245 18.1287 18.8555 18.9888 19.9122 18.9383 19.1389 19.1389 19.1705 19.2706	.56247 .55580 .89914 .77617 .66211 .55655 1.03193 .89931 .77538 .66163 .555579 1.17241 1.02997 .39763 .77080	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .124247 .12735 .12759 .12759 .12759	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782	55 51 13 .33 .08 .01 37 23 42 11 18 .29 .19 .23
89019 89019 89020 89021 89015 89014 89013 89016 69017 89012 89011 89010 89009 89009	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.078 47.083 51.054 51.051 51.053 51.050 62.939	253.921 253.687 255.239 254.510 254.059 253.447 255.293 254.642 254.157 253.636 253.092 256.650 255.298 254.640 253.890 255.007 255.185	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.9383 18.9122 18.9383 19.1389 19.1389 19.1389 19.1389 19.2106 19.88332 19.8686	.56247 .55580 .8991 .77617 .66211 .55455 1.03193 .89931 .77638 .66143 .5557 1.17241 1.02997 .99763 .77080 1.17647	.11127 .11143 .11326 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12428 .12477 .12735 .12759 .12759 .12795 .12795	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12782	55 51 13 .33 .08 .01 37 23 42 11 18 .29 .19 .23 48 1.33
89019 89019 89017 89020 89015 89015 89016 69017 89012 89011 89010 89000 89000 89000	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.078 47.083 51.054 51.053 51.053 51.053 62.939 62.935	253.921 253.687 255.230 254.510 254.059 253.647 255.293 254.642 254.157 253.636 253.092 256.050 255.298 254.640 253.800 256.007 255.185 254.807	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.9122 18.9383 18.9122 18.9383 19.1031 19.1389 19.1705 19.2106 19.8332 19.8686 19.8849	.56247 .55580 .89914 .77617 .66211 .55655 1.03193 .89931 .77638 .66163 .55579 1.17241 1.02997 .99763 .77080 1.17647 1.23317 .90224	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12776 .13926 .13926	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12782 .13869 .13903	55 51 13 .33 .08 .01 37 23 42 11 18 .29 .19 .23 48 1.33 1.21 1.43
89019 89019 89020 89021 89015 89014 89013 89016 69017 89012 89011 89010 89009 89009	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.078 47.083 51.054 51.051 51.053 51.050 62.939	253.921 253.687 255.239 254.510 254.059 253.447 255.293 254.642 254.157 253.636 253.092 256.650 255.298 254.640 253.890 255.007 255.185	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.9122 18.9383 18.9122 18.9383 19.1031 19.1389 19.1705 19.2106 19.8332 19.8686 19.8849	.56247 .55580 .8991 .77617 .66211 .55455 1.03193 .89931 .77638 .66143 .5557 1.17241 1.02997 .99763 .77080 1.17647	.11127 .11143 .11326 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12428 .12477 .12735 .12759 .12759 .12795 .12795	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12782	55 51 13 .33 .08 .01 37 23 42 11 18 .29 .19 .23 48 1.33 1.21
89018 89019 89017 89020 89015 89015 89016 69017 89012 89011 69010 89009 89008 89007 89007 89007	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.083 51.054 51.051 51.051 51.053 51.050 62.939 62.935 62.935	253.921 253.687 255.239 254.510 254.059 253.647 255.293 254.642 254.157 253.092 256.050 255.298 254.640 253.800 256.007 255.185 254.807 253.530	17.9128 17.9261 18.0271 18.0589 18.9945 18.1287 18.8555 18.9383 19.9122 18.9383 19.1389 19.1389 19.1705 19.8382 19.8686 19.8686 19.8686 19.8686	.56247 .55580 .89914 .77617 .66211 .55455 .03193 .77538 .66143 .555579 1.17241 1.02997 .99763 .77080 1.17647 1.93317 .90224 .77146	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12746 .13905 .13905 .13926	.001 .901 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12782 .13869 .13903	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43
89019 89019 89017 89021 89015 89014 89013 89016 69017 89012 89011 89010 89008 89006 89006 89006 89006	37.252 37.257 37.257 47.077 47.077 47.078 47.077 47.078 47.078 51.054 51.051 51.053 51.053 62.939 62.935 62.935	253.921 253.687 255.239 254.510 254.059 253.447 255.293 254.642 254.157 253.636 253.002 254.650 255.298 254.640 255.298 254.640 255.298 254.640 255.380 255.185 254.807 255.185 254.807 255.393 256.807	17.9126 17.9261 18.0271 18.0289 18.9945 18.1287 18.8555 18.9383 18.9122 18.9383 19.1031 19.1389 19.1705 19.2106 19.8332 19.8686 19.8849 19.9403 20.0973	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77638 .66163 .55557 1.17241 1.02997 .39763 .77080 1.17647 1.93317 .9022 .77146 1.32584	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12447 .12735 .12759 .12759 .12746 .13905 .13905 .13925 .13853 .14295	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13857 .14252	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12
89019 89019 890120 89021 89015 89016 69017 89010 69010	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.083 51.054 51.051 51.053 51.050 62.935 62.935 62.935 68.251	253.921 253.687 255.230 254.059 253.447 255.293 254.642 254.650 255.298 254.650 255.298 254.640 255.298 254.640 255.298 254.640 255.298 254.640 255.298 254.650 255.298	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.9383 18.9122 18.9383 19.1389 19.1389 19.1389 19.1389 19.1389 19.8686 19.8686 19.8849 19.9403 20.0973 20.1310	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77638 .66163 .55579 1.17241 1.02997 .99763 .77080 1.17647 1.93317 .90224 .77146 1.32584 1.17298	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12795 .12795 .13905 .13905 .13905 .13905 .13905 .13905 .13905	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13958 .13857 .14252	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24
89018 89019 89017 89021 89015 89016 69017 89012 89011 69100 89006 80005 99006 80005 99004 89003 89004	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.083 51.054 51.051 51.053 51.050 62.935 62.935 62.935 62.935 68.250 68.251	253.921 253.687 254.510 254.059 253.647 255.293 254.642 254.157 253.636 255.092 256.007 255.298 254.640 255.298 254.640 255.298 254.640 255.3800 256.007 255.185 254.807 253.530 256.361 254.807	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.8888 18.9122 18.9383 18.9658 19.1031 19.1389 19.1795 19.2106 19.8849 19.8849 19.9403 20.0973 20.1310 20.1812	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77538 .66143 .5557 1.17241 1.02997 .99763 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12759 .12759 .13926 .13926 .13926 .13926 .13926 .13926 .13926 .13926 .14292 .14292	.001 .931 .001 .001 .001 .001 .001 .001 .001 .0	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13857 .14252 .14263 .14352	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24 .95 1.04
89019 89019 890120 89021 89015 89016 69017 89010 69010	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.083 51.054 51.051 51.053 51.050 62.935 62.935 62.935 68.251	253.921 253.687 255.230 254.059 253.447 255.293 254.642 254.650 255.298 254.650 255.298 254.640 255.298 254.640 255.298 254.640 255.298 254.640 255.298 254.650 255.298	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.8888 18.9122 18.9383 18.9658 19.1031 19.1389 19.1795 19.2106 19.8849 19.8849 19.9403 20.0973 20.1310 20.1812	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77638 .66163 .55579 1.17241 1.02997 .99763 .77080 1.17647 1.93317 .90224 .77146 1.32584 1.17298	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12795 .12795 .13905 .13905 .13905 .13905 .13905 .13905 .13905	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13958 .13857 .14252	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24
89018 89019 89017 89021 89015 89016 69017 89012 89011 69100 89006 80005 99006 80005 99004 89003 89004	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.083 51.054 51.051 51.053 51.050 62.935 62.935 62.935 62.935 68.250 68.251	253.921 253.687 254.510 254.059 253.647 255.293 254.642 254.157 253.636 255.092 256.007 255.298 254.640 255.298 254.640 255.298 254.640 255.3800 256.007 255.185 254.807 253.530 256.361 254.807	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.8888 18.9122 18.9383 18.9658 19.1031 19.1389 19.1795 19.2106 19.8849 19.8849 19.9403 20.0973 20.1310 20.1812	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77538 .66143 .5557 1.17241 1.02997 .99763 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12759 .12759 .13926 .13926 .13926 .13926 .13926 .13926 .13926 .13926 .14292 .14292	.001 .931 .001 .001 .001 .001 .001 .001 .001 .0	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13857 .14252 .14263 .14352	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24 .95 1.04
89018 89019 89017 89021 89015 89016 69017 89012 89011 69100 89006 80005 99006 80005 99004 89003 89004	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.083 51.054 51.051 51.053 51.050 62.935 62.935 62.935 62.935 68.250 68.251	253.921 253.687 254.510 254.059 253.647 255.293 254.642 254.157 253.636 255.092 256.007 255.298 254.640 255.298 254.640 255.298 254.640 255.3800 256.007 255.185 254.807 253.530 256.361 254.807	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.8888 18.9122 18.9383 18.9658 19.1031 19.1389 19.1795 19.2106 19.8849 19.8849 19.9403 20.0973 20.1310 20.1812	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77538 .66143 .5557 1.17241 1.02997 .99763 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12795 .12746 .13905 .13926 .14926 .14936 .14926 .14936 .14926 .14936 .14926 .14936 .14926 .14936 .14926 .14936 .1	.001 .931 .001 .001 .001 .001 .001 .001 .001 .0	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13857 .14252 .14263 .14352 .14349	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.43 .12 1.44 .95
89018 89019 89017 89021 89015 89016 69017 89012 89011 69100 89006 80005 99006 80005 99004 89003 89004	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.083 51.054 51.051 51.053 51.050 62.935 62.935 62.935 62.935 68.250 68.251	253.921 253.687 254.510 254.059 253.647 255.293 254.642 254.157 253.636 255.092 256.007 255.298 254.640 255.298 254.640 255.298 254.640 255.3800 256.007 255.185 254.807 253.530 256.361 254.807	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.8888 18.9122 18.9383 18.9658 19.1031 19.1389 19.1795 19.2106 19.8849 19.8849 19.9403 20.0973 20.1310 20.1812	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77538 .66143 .5557 1.17241 1.02997 .99763 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864	.11127 .11143 .11326 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12759 .12795 .13905 .14295 .14295 .14295 .14361 .1	.001 .931 .001 .001 .001 .001 .001 .001 .001 .0	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13958 .13958 .13857 .14252 .14263 .14352 .14349	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.44 .95 1.04 .53  Conductivity
89018 89019 89017 89021 89015 89016 69017 89012 89011 69100 89006 89006 89006 89006 89006 89006 89006 89006 89006 89006 89006 89008	37.252 37.257 37.257 47.077 47.078 47.078 47.078 51.054 51.053 51.050 62.939 62.935 62.935 62.935 68.251 68.255	253.921 253.687 254.059 254.059 253.647 255.293 254.642 254.657 253.636 253.692 256.050 255.298 254.640 255.298 254.640 255.298 254.640 255.298 254.640 255.3800 256.307 255.3800 256.361 253.530 256.361 253.530	17.9126 17.9261 18.0271 18.0689 18.9945 18.8555 18.8888 18.9122 18.9383 19.1031 19.1389 19.1795 19.2106 19.8849 19.8686 19.8849 19.9403 20.0973 20.1310 20.1812 20.2272	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77538 .66143 .5557 1.17241 1.02997 .99763 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12759 .12795 .13926 .13926 .13925 .13926 .13925 .14295 .14292 .14361 .14340	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12782 .12786 .13869 .13958 .13958 .13958 .13958 .13958 .13452 .14263 .14252 .14263 .14352 .14352 .14352 .14352	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24 .95 1.04 .53  Conductivity Oevistion
89018 89019 89017 89021 89015 89016 69017 89012 89011 69100 89006 80005 99006 80005 99004 89003 89004	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.083 51.054 51.051 51.053 51.050 62.935 62.935 62.935 62.935 68.250 68.251	253.921 253.687 254.510 254.059 253.647 255.293 254.642 254.157 253.636 255.092 256.007 255.298 254.640 255.298 254.640 255.298 254.640 255.3800 256.007 255.185 254.807 253.530 256.361 254.807	17.9126 17.9261 18.0271 18.0689 18.9945 18.8555 18.8888 18.9122 18.9383 19.1031 19.1389 19.1795 19.2106 19.8849 19.8686 19.8849 19.9403 20.0973 20.1310 20.1812 20.2272	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77638 .66163 .5557 1.17241 1.02997 .99763 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11326 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12759 .12795 .13905 .14295 .14295 .14295 .14361 .1	.001 .931 .001 .001 .001 .001 .001 .001 .001 .0	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13958 .13958 .13857 .14252 .14263 .14352 .14349	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24 .95 1.04 .53  Conductivity Oevistion
89018 89019 89017 89021 89015 89016 69017 89012 89011 69100 89006 89006 89006 89006 89006 89006 89006 89006 89006 89006 89006 89008	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.083 51.054 51.051 51.053 51.050 62.939 62.935 62.935 62.935 68.250 68.251 68.252	253.921 253.687 255.239 254.510 254.059 253.447 255.293 254.642 254.157 253.636 253.092 256.050 255.298 254.640 253.800 256.007 255.185 254.867 253.530 256.361 255.355 254.349 253.250	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.9383 19.1389 19.1389 19.13795 19.1705 19.8382 19.8686 19.8849 19.9403 20.0973 20.1310 20.1310 20.1272	.56247 .55580 .89914 .77617 .66211 .58455 1.03193 .89931 .77538 .66143 .555579 1.17241 1.02997 .99763 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12746 .13905 .13926 .13975 .13975 .13975 .14295 .14361 .14340 Experimental Thermal Conductivity	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12782 .12786 .13869 .13958 .13958 .13958 .13958 .13958 .13452 .14263 .14252 .14263 .14352 .14352 .14352 .14352	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24 .95 1.04 .53  Conductivity Oevistion
89018 89019 89017 89021 89015 89016 69017 89012 89011 69100 89006 89006 89006 89006 89006 89006 89006 89006 89006 89006 89006 89008	37.252 37.257 37.257 47.077 47.078 47.078 47.078 51.054 51.053 51.050 62.939 62.935 62.935 62.935 68.251 68.255	253.921 253.687 254.059 254.059 253.647 255.293 254.642 254.657 253.636 253.692 256.050 255.298 254.640 255.298 254.640 255.298 254.640 255.298 254.640 255.3800 256.307 255.3800 256.361 253.530 256.361 253.530	17.9126 17.9261 18.0271 18.0689 18.9945 18.8555 18.8888 18.9122 18.9383 19.1031 19.1389 19.1795 19.2106 19.8849 19.8686 19.8849 19.9403 20.0973 20.1310 20.1812 20.2272	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77538 .66143 .5557 1.17241 1.02997 .99763 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12759 .12795 .13926 .13926 .13925 .13926 .13925 .14295 .14292 .14361 .14340	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13958 .13958 .13857 .14252 .14263 .14352 .14352 .14349  Adjusted Thermal at a Nominal	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24 .95 1.04 .53  Conductivity Oevistion from Coreletion
89019 89019 89017 89015 89015 89016 69017 89010 89010 89001 89006 80005 89006 80005 89006 80005 89006 80005 89006 80005 89006 80005 89006 80005 89006 80005 89006 80005 89006 89	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.078 47.083 51.054 51.051 51.053 51.050 62.939 62.939 62.935 68.251 68.251 68.252 68.255	253.921 253.687 255.239 254.059 253.447 255.293 254.642 254.157 253.636 253.092 256.050 255.298 254.640 255.298 254.640 255.298 254.640 255.298 254.640 255.298 254.640 255.298 254.807 253.551 254.807 253.551 254.349 253.250	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.9383 18.9122 18.9383 19.1031 19.1389 19.1705 19.2106 19.8849 19.9403 20.0973 20.1310 20.1812 20.2272	.56247 .55580 .89914 .77617 .66211 .57655 !.03193 .89931 .77638 .66143 .55579 !.17241 !.02997 .99763 .77080 !.17647 !.03317 .90224 .77146 !.32584 !.17298 .89864 .65978	.11127 .11143 .11326 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12759 .12759 .12759 .12795 .12795 .12795 .12795 .12795 .12795 .12796 .13905 .13926 .13975 .13853 .14295 .14295 .14292 .14361 .16340  Experimental Thermal Conductivity W/m.K	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13958 .13857 .14252 .14263 .14352 .14349  Adjusted Thermal at a Nominal Temperature of 274.6K	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.44 .95 1.04 .53  Conductivity Oeviation from Corelation percent
89018 89019 89017 89015 89015 89016 69017 89016 69017 89010 89000 89000 89006 89	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.083 51.054 51.053 51.050 62.939 62.939 62.935 62.938 68.250 68.255 Pressure	253.921 253.687 255.239 254.510 254.059 253.647 255.293 254.642 254.157 253.639 256.050 255.298 254.640 253.800 256.007 255.185 254.640 253.800 256.361 255.250	17.9126 17.9261 18.0271 18.0589 18.9945 19.1287 18.8555 18.9888 19.9122 18.9383 19.1389 19.1389 19.1389 19.1389 19.1389 20.1310 20.1812 20.2272	.56247 .55580 .89914 .77617 .66211 .55455 .03193 .99931 .77538 .66143 .55557 1.17241 1.02997 .99763 .77080 1.17647 1.93217 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12746 .13905 .13975 .13975 .13975 .13975 .14295 .14292 .14361 .16340 Experimental Thermal Conductivity W/m·K	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13958 .13958 .13958 .13452 .14263 .14352 .14263 .14352 .14352 .14352 .14349  Adjusted Thermal at a Nominal Temperature of 274.6K W/m.K	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24 .95 1.04 .53  Conductivity Oeviation from Corelation percent 1.67
89018 89019 89072 89072 89015 89013 89016 69017 89012 89011 69010 890000 890000 890000 89000 89000 89000 89000 89000 89000 89000 89000 89000 89000	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.083 51.054 51.051 51.053 51.050 62.939 62.935 62.935 62.935 68.250 68.255	253.921 253.687 255.239 254.510 254.059 253.447 255.293 254.642 254.157 253.636 253.002 256.050 255.298 254.640 253.800 255.185 254.807 253.830 256.361 255.351 254.349 253.250	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.9888 19.9122 18.9383 19.1389 19.1705 19.2106 19.8332 19.8686 19.8849 19.9403 20.0973 20.1310 20.1812 20.2272	.56247 .55580 .89914 .77617 .66211 .55655 1.03193 .89931 .77638 .66163 .555579 1.17241 1.02997 .97763 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11324 .11316 .11410 .11413 .12315 .12365 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12746 .13905 .13905 .13905 .13926 .13975 .14292 .14361 .14340 Experimental Thermal Conductivity W/m.K	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13857 .14252 .14263 .14352 .14349  Adjusted Thermal at a Nominal Temperature of 274.6K W/m.K	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24 .95 1.04 .95 1.04 .95 Conductivity Oeviation from Corelation percent 1.67 2.53
89018 89019 89017 89015 89015 89016 69017 89016 69017 89010 89000 89000 89006 89	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.083 51.054 51.053 51.050 62.939 62.939 62.935 62.938 68.250 68.255 Pressure	253.921 253.687 255.239 254.510 254.059 253.647 255.293 254.642 254.157 253.639 256.050 255.298 254.640 253.800 256.007 255.185 254.640 253.800 256.361 255.250	17.9126 17.9261 18.0271 18.0589 18.9945 19.1287 18.8555 18.9888 19.9122 18.9383 19.1389 19.1389 19.1389 19.1389 19.1389 20.1310 20.1812 20.2272	.56247 .55580 .89914 .77617 .66211 .55655 1.03193 .89931 .77638 .66163 .555579 1.17241 1.02997 .97763 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12746 .13905 .13975 .13975 .13975 .13975 .14295 .14292 .14361 .16340 Experimental Thermal Conductivity W/m·K	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13958 .13958 .13958 .13452 .14263 .14352 .14263 .14352 .14352 .14352 .14349  Adjusted Thermal at a Nominal Temperature of 274.6K W/m.K	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24 .95 1.04 .53  Conductivity Oeviation from Corelation percent 1.67
89019 89019 89017 89021 89015 89016 69017 89010 69010 69010 69010 69010 69010 69010 69010 69010 69010 69010 89011 69010 69010 89011 89	37.252 37.257 37.257 37.251 47.077 47.078 47.078 47.078 47.078 51.054 51.051 51.053 51.053 62.935 62.935 62.935 68.251 68.252 68.255	253.921 253.687 255.239 254.059 253.447 255.293 254.642 254.157 253.636 253.092 254.650 255.298 254.640 253.800 255.298 254.640 253.800 255.185 254.807 253.539 256.361 285.851 254.349 253.250	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.9383 18.9122 18.9383 19.1031 19.1389 19.1031 19.1389 19.1031 19.1389 19.2106 19.8849 19.9403 20.0973 20.1310 20.1812 20.2272	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77638 .66163 .55579 1.17241 1.02997 .90763 .77080 1.17647 1.93317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12746 .13905 .13926 .13975 .13853 .14295 .14295 .14292 .14361 .16340  Experimental Thermal Conductivity W/m.K .02591 .02606 .02573	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13857 .14252 .14263 .14352	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.43 .12 1.44 .95 1.04 .95 1.04 .53  Conductivity Oeviation from Corelation percent 1.67 2.53 1.86
89019 89019 89017 89021 89015 89016 69017 89016 69017 89010 89010 89006 80005	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.078 47.083 51.054 51.053 51.050 62.939 62.939 62.935 68.251 68.252 68.255  Pressure MP8 .312 .312 .312	253.921 253.687 255.239 254.059 253.447 255.293 254.642 254.157 253.636 253.092 256.650 255.298 254.640 253.800 255.298 254.807 253.807 254.807 253.551 254.807 253.551 254.349 253.250	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.9383 18.9122 18.9383 19.1031 19.1389 19.1705 19.2106 19.8849 19.9403 20.1310 20.1310 20.1310 20.1310 20.1310 20.1310 20.1310 20.1310 20.1310 20.1310 20.1310 20.1310	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77638 .66143 .55579 1.17241 1.02997 .90274 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11326 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12759 .12759 .12795 .13853 .14295 .14295 .14292 .14361 .16340  Experimental Thermal Conductivity W/m.K .02591 .02573 .02573	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13857 .14252 .14263 .14352 .14349  Adjusted Thermal at a Nominal Temperature of 274.6K W/m.K .02589 .02612 .02594 .02598	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24 .95 1.04 .53  Conductivity Oeviation from Corelation percent 1.67 2.53 1.86 2.01
89018 89019 89017 89015 89015 89016 69017 89016 69017 89016 69017 89016 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89006 89007 89006 89007 89006 89	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.083 51.054 51.053 51.050 62.939 62.935 62.935 62.938 68.250 68.251 68.252 68.255	253.921 253.687 255.239 254.510 254.059 255.447 255.293 254.642 254.157 253.636 253.800 256.007 255.298 254.640 253.800 256.007 255.185 254.807 255.530 256.361 255.555 254.349 253.250 Temperature K 274.741 272.669 275.087	17.9128 17.9261 18.0271 18.0589 18.9945 18.1287 18.8555 18.9383 19.1389 19.1389 19.1705 19.1705 19.1812 20.0973 20.1310 20.	.56247 .55580 .89914 .77617 .66211 .55455 .03193 .89931 .77538 .66143 .555579 1.17241 1.02997 .99763 .77080 1.17647 1.93317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12365 .12364 .12428 .12447 .12735 .12759 .12746 .13905 .13926 .13975 .13975 .14295 .14292 .14361 .16340  Experimental Thermal Conductivity W/m·K .02591 .02606 .02573 .02646	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13958 .13958 .13958 .13958 .13452 .14252 .14263 .14352 .14352 .14369 Adjusted Thermal at a Nominal Temperature of 274.6K W/m.K .02589 .02612 .02594 .02594 .02597	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24 .95 1.04 .95 1.04 .95 1.04 .53  Conductivity Oevistion from Coreletion percent  1.67 2.53 1.86 2.01 .87
89019 89019 89017 89015 89016 69017 89016 69017 89011 69010 890000 890000 890000 890000 890000 890000 890000 890000 8900000 890000 890000 890000 890000 890000 8900000 890000 890000 890000 890000 8900000 8900000 890000 890000 890000 8900000 8900000 8900000 890000000 890000000000	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.083 51.054 51.051 51.053 51.050 62.939 62.935 62.935 62.935 68.250 68.255 Pressure MP8	253.921 253.687 255.239 254.510 254.059 253.447 255.293 254.642 254.157 253.636 253.002 256.050 255.298 254.640 253.800 256.007 255.185 254.860 255.185 254.851 254.349 253.250 Temperature K 274.741 272.971 272.971 272.971 272.975	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.8888 19.9122 18.9383 19.1389 19.1705 19.2188 19.8686 19.8849 19.9403 20.0973 20.1310 20.1812 20.2272	.56247 .55580 .89914 .77617 .66211 .55655 1.03193 .89931 .77538 .66163 .555579 1.17241 1.02997 .97763 .77080 1.17647 1.93217 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12759 .12755 .13853 .14295 .14390 Experimental Thermal Conductivity W/m.K .02591 .02606 .02573 .02573 .026746 .02636	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13857 .14252 .14263 .14352 .14349  Adjusted Thermal at a Nominal Temperature of 274.6K W/m.K  .02589 .02612 .02594 .02639 .02639 .02640	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.24 .95 1.04 .95 1.04 .53  Conductivity Oeviation from Corelation percent  1.67 2.53 1.86 2.01 .87
89018 89019 89017 89015 89015 89016 69017 89016 69017 89016 69017 89016 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89006 89007 89006 89007 89006 89	37.252 37.257 37.257 37.251 47.077 47.088 47.077 47.083 51.054 51.053 51.050 62.939 62.935 62.935 62.938 68.250 68.251 68.252 68.255	253.921 253.687 255.239 254.510 254.059 255.447 255.293 254.642 254.157 253.636 253.800 256.007 255.298 254.640 253.800 256.007 255.185 254.807 255.530 256.361 255.555 254.349 253.250 Temperature K 274.741 272.669 275.087	17.9128 17.9261 18.0271 18.0589 18.9945 18.1287 18.8555 18.9383 19.1389 19.1389 19.1705 19.1705 19.1812 20.0973 20.1310 20.	.56247 .55580 .89914 .77617 .66211 .55455 .03193 .89931 .77538 .66143 .555579 1.17241 1.02997 .99763 .77080 1.17647 1.93317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12365 .12364 .12428 .12447 .12735 .12759 .12746 .13905 .13926 .13975 .13975 .14295 .14292 .14361 .16340  Experimental Thermal Conductivity W/m·K .02591 .02606 .02573 .02646	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13958 .13958 .13958 .13958 .13452 .14252 .14263 .14352 .14352 .14369 Adjusted Thermal at a Nominal Temperature of 274.6K W/m.K .02589 .02612 .02594 .02594 .02597	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.44 .05 1.04 .53  Conductivity Oeviation from Corelation percent  1.67 2.53 1.86 2.01 .8723
89019 89019 89017 89015 89015 89016 69017 89010 89010 89010 89006 80007 89006 80005 89006 80005 80006 80005 80006 80	37.252 37.257 37.257 37.251 47.077 47.078 47.078 47.078 47.078 51.054 51.051 51.053 51.053 62.935 62.935 62.935 68.251 68.252 68.255 Pressure MPR .312 .312 .933 .933	253.921 253.687 255.239 254.059 253.447 255.293 254.642 254.157 253.636 253.002 256.050 255.298 254.640 253.800 255.185 254.807 253.830 256.361 255.851 254.349 253.250 Temperature K 274.741 272.969 273.694	17.9128 17.9261 18.0271 18.0689 18.9945 19.1287 18.8555 18.9888 19.1031 19.1389 19.1031 19.1389 19.1031 20.1310	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77638 .66163 .55579 1.17241 1.02997 .90763 .77080 1.17647 1.93317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12746 .13905 .13926 .13975 .13853 .14295 .14295 .14295 .14361 .16340  Experimental Thermal Conductivity W/m.K .02591 .02573 .02573 .02573 .02636 .02598	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13857 .14252 .14263 .14352 .14352 .14352 .14352 .14359 .14352 .14359 .14352 .14359 .14352 .14359 .14352 .14359 .14352 .14359 .1	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.44 .05 1.04 .53  Conductivity Oeviation from Corelation percent  1.67 2.53 1.86 2.01 .8723
89019 89019 89017 89015 89016 69017 89016 69017 89010 89010 89006 80005 80005 80005 80005 80006 80005 80006 80005 80006 80005 80006 80005 80006 80005 80006 80	37.252 37.257 37.257 37.251 47.077 47.088 47.078 47.083 51.054 51.053 51.050 62.939 62.935 62.935 68.251 68.251 68.252 68.255 Pressure MPa .312 .312 .933 .933 .933 .933	253.921 253.687 255.239 254.059 253.447 255.293 254.642 254.157 253.636 253.636 253.636 255.298 254.640 255.298 254.640 255.298 254.640 255.298 254.640 255.298 254.807 255.185 254.807 255.185 254.807 253.550  Temperature K  274.741 272.669 275.087 272.971 272.669 275.087 273.694 273.085	17.9128 17.9261 18.0271 18.0689 18.9945 18.1287 18.8555 18.9888 19.9122 18.9383 18.96686 19.8849 19.9403 20.1310 20.1812 20.2272  Censity moi/L .1384 .1387 .1395 .4243 .4259	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77638 .66143 .55579 1.17241 1.02997 .90274 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11326 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12759 .12759 .12759 .12759 .12795 .13926 .13975 .13926 .13975 .13853 .14295 .14295 .14292 .14361 .16340  Experimental Thermal Conductivity W/m.K .02591 .02573 .02573 .02573 .02646 .02636 .027598 .02612	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12782 .12782 .12786 .13869 .13958 .13958 .13958 .13958 .13452 .14263 .14352 .14352 .14369 Adjusted Thermal at a Nominal Temperature of 274.6K W/m.K .02589 .02612 .02594 .02594 .02594 .02639 .02640 .02611 .02631	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.44 .95 1.04 .53  Conductivity Oevistion from Coreistion percent  1.67 2.53 1.86 2.01 .8723 .55
89019 89019 89017 89021 89015 89016 69017 89010 89010 89007 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89007 89006 89008 89007 89106 89107 89106 89107 89106 89107 89106 89107 89106 89107 89107 89108 89	37.252 37.257 37.257 37.251 47.077 47.078 47.078 47.078 47.078 51.054 51.051 51.053 51.053 62.935 62.935 62.935 68.251 68.252 68.255 Pressure MPR .312 .312 .933 .933	253.921 253.687 255.239 254.059 253.447 255.293 254.642 254.157 253.636 253.002 256.050 255.298 254.640 253.800 255.185 254.807 253.830 256.361 255.851 254.349 253.250 Temperature K 274.741 272.969 273.694	17.9128 17.9261 18.0271 18.0689 18.9945 19.1287 18.8555 18.9888 19.1031 19.1389 19.1031 19.1389 19.1031 20.1310	.56247 .55580 .89914 .77617 .66211 .57655 1.03193 .89931 .77638 .66143 .55579 1.17241 1.02997 .90274 .77080 1.17647 1.03317 .90224 .77146 1.32584 1.17298 .89864 .65978	.11127 .11143 .11324 .11416 .11410 .11433 .12315 .12365 .12364 .12428 .12447 .12735 .12759 .12746 .13905 .13926 .13975 .13853 .14295 .14295 .14295 .14361 .16340  Experimental Thermal Conductivity W/m.K .02591 .02573 .02573 .02573 .02636 .02598	.001 .001 .001 .001 .001 .001 .001 .001	.11125 .11145 .11304 .11405 .11406 .11438 .12291 .12352 .12358 .12431 .12458 .12699 .12735 .12782 .12746 .13869 .13903 .13958 .13857 .14252 .14263 .14352 .14352 .14352 .14352 .14359 .14352 .14359 .14352 .14359 .14352 .14359 .14352 .14359 .14352 .14359 .1	555113 .33 .08 .013723421118 .29 .19 .2348 1.33 1.21 1.43 .12 1.44 .05 1.04 .53  Conductivity Oeviation from Corelation percent  1.67 2.53 1.86 2.01 .8723

88147	2.144	275.067	1.0322	.18116	.02785	.001	.02778	. 25
88145	2.145	274.304	1.0363	.15251	.02774	.002	.02777	.17
		273.531						.0€
R8145	2.145		1.0403	.12624	.0276?	.003	.02775	
89144	3.075	275.521	1.5479	.21237	.02899	.001	.02987	82
88143	3.075	274.652	1.5558	•18126	.02925	• 002	.02924	. 37
88142	3.075	274.029	1.5614	.15253	.02929	.002	.02935	.72
88141	3.075	373.260	1.5685	.12632	.02912	.003	.02928	.40
98140	3.762	276.232	1.9574	.24514	.03020	.001	.03000	93
88139	3.763	275.297	1.9593	•21255	.03023	.001	.03014	56
88138	3.763	274.507	1.9798	.18121	.03058	.001	•03059	. 81
R8137	3.754	273.581	1.9909	.15249	.03017	.003	.03028	32
88136	4.618	275.467	2.5385	. 24602	.03241	.001	.03231	. 82
8 9 1 3 5	4.520	274.851	2.5512	.21251	.03181	.002	.03178	96
88134	4.621	274.189	2.5651	.18139	.03088	• 002	.03092	-3.90
89133	4.522	273.542	2.5785	.15262	.03210	.002	.03221	.14
88132	5.115	276.145	2.8842	.28317	.0326R	.012	.03251	-2.03
88131	5.117	275.477	2.9015	.24685	.03123	•005	.03113	-6.72
88130	5.121	274.363	2.9307	.21300	.03266	.015	.03268	-1.96
38129	5.124	273.749	2.9483	.18129	.03310	.003	.03319	58
88128	5.753	275.995	3.3841	.28532	.03531	.011	.03517	.78
88127	5.754	275.916	3.3876	.24923	.03457	.015	.03443	-1.35
88126	5.756	275.435	3.4038	.21600	.03429	.019	.03420	-2.22
88125	5.758	275.184	3.4135	.18502	.03499	•025	•03493	20
88124	6.344	274.827	3.9308	. 28223	.03620	.011	.03618	-2.07
88123	5.345	274.180	3.9594	.24594	.03632	.013	.03635	-1.87
88122	6.348	273.538	3.9892	.21235	.03618	.017	.03627	-2.43
88121	5.350	273.097	4.0107	.18112	.03596	.021	.03608	-3.19
0812C	6.851	275.075	4.3903	•32073	.03865	.010	.03861	36
83119	6.851	274.846	4.4023	.28210	.03859	.003	.03857	59
88118	6.852	273.895	4.4528	.24596	.03864	.014	.03969	81
88117	6.852	273.321	4.4833	.21215	.03886	.019	.03995	46
88115	7.339	275.709	4.8346	.32224	.04134	•003	.04127	1.60
88115	7.339	274.999	4.8780	.28350	.04126	• 002	.04123	1.07
98114	7.340	274.797	4.8918	. 24795	.04148	.002	.04147	1.48
R8113	7.340	273.574	4.9689	.21244	.04114	.002	.04120	.03
99112	7.731	275.733	5.2352	.35296	.04263	.002	.04257	• 51
88111	7.732	275.109	5.2792	.32191	.04305	.002	•04302	1.11
88169	7.733	274.775	5.3041	.24523	.0423R	.004	.04237	67
R8110	7.733	274.385	5.3319	.28292	.04301	.002	.04302	. 56
88108	8.179	276.125	5.5821	.35719	.04568	.002	.04562	2.77
_								
88107	8.180	275.805	5.7082	.32588	.04582	• 201	.04577	2.84
38106	8.181	275.196	5.7579	.28655	.04574	.002	.04572	2.23
99105	8.181	275.102	5.7656	.25120	.04632	.002	.04630	3.38
38104	8.572	274.949	6.2166	· 352R4	.04695	.002	.04695	.21
881C3	A . 572	274.447	6.2640	.32176	.04708	.002	.24708	
								.12
88101	8.573	273.757	6.3306	.28209	.04677	.002	.04578	-1.17
88102	8.572	273.497	6.3564	• 24672	.04694	.003	.04595	-1.05
88100	9.093	274.942	6.8124	.35374	.04974	.002	.04974	. 37
88099	9.094	274.207	6.8922	.32198	.04952	.015	.04952	80
89098	9.094	273.720	6.9452	.28299	.04999	.001	.04799	
								35
88097	9.094	273.134	7.0131	.24628	.04985	.301	.04985	-1.25
88095	9.457	275.958	7.1146	.41108	.05154	.010	.05154	1.17
88094	9.457	274.607	7.2673	.35306	.05109	.012	.0510→	-1.05
88095	9.457	274.190	7.3162	.28565	. 05232	.002	.05232	. 90
88093	9.458	273.989	7.3405	.32129	.05142	.002	.05142	
R8092								-1.05
	9.880	276.436	7.5281	.49985	.0532R	.013	.05329	. 94
83091	9.880	?76.231	7.5520	.45139	.05388	. 201	.05389	1.84
88090	9.879	275.795	7.5043	.40607	.05402	.002	.05403	1.67
88089	9.879	275.141	7.6810	.32186	.05469	.001	.05470	2.25
88083	10.376	275.324	P.2033	49756	.05463	.008	.05454	-1.95
88087	10.376		8.2751					
		274.763		.44900	. 05489	.010	.05489	-2.04
98086	10.376	274.322	8.3346	.40317	.05517	.011	.05517	-1 · 9 F
88085	10.377	273.331	8.4689	·31 826	.05524	.002	.05521	-2.89
88083	10.778	275.105	8.6551	.49745	.05653	.009	.05654	-1.82
88084	10.778	274.974	8.6732	.45092	.05699	.010	.05700	-1.12
88082	10.778	274.178	8.7815					
				.40331	.05689	.012	.05688	-2.08
88081	10.779	273.287	2.9057	.31884	•05707	.003	. 35704	-2.66
CBCBB	11.249	275.952	9.0144	.55012	.35835	.008	.05€37	-1.35
88079	11.250	275.348	9.0960	.49870	.05850	. 209	.05961	-1.17
88078	11.250	274.449	9.2102	.40451	.05900	.002	.05900	-1.32
88077	11.250	273.313	9.3785	31935				
					.05899	.002	.05397	-2.40
88076	11.795	275.969	9.5221	.55135	.06066	.001	.06058	41
880 <b>7</b> 5	11.795	275.234	9.5216	.49920	.06080	.001	.04081	91
89074	11.795	274.427	9.7322	.40480	.06116	.002	.06116	95
8 90 73	11.795	273.410	9.8749	.31945	.06108	.002	.06107	-1.92
89072	12.404	275.795	10.0677	.55047				
					. 96 253	.001	.06253	67
88671	12.404	275.366	10.1252	.49996	.06318	.002	.06318	.03
98070	12.404	274.480	10.2451	.40568	.04315	.002	.06315	72
R 80 69	12.404	273.205	10.4207	.31959	.05308	.002	.06309	-1.64
88068	13.030	275.990	10.5275	.50370	.05428	.002	.06427	51
88057	13.030	275.015						
			10.6552	.49890	.05434	.001	.06.434	-1.21
98066	13.030	274.195	10.7637	.40457	.06487	.002	.06497	91
98065	13.030	273.225	10.8934	·31985	.06507	.003	.06569	-1.40
98064	13.810	275.855	11.0852	.60430	.06673	.001	.05670	03
88063	13.811	274.658	11.2355	.49971	.06702	.001	.06702	42
88063	13.809	274.014	11.3172	.40523	.06742	.001	.0+743	? !
					13.1142		• (7 - 7 - 7 )	0 / 1

38061	13.810	273.197	11.4218	.32003	.06722	.002	•06726	-1.13
89060	14.572	275.874	11.5481	.50441	.06874	.001	•0£859	. 25
88059	14.572	274.905	11.6651	.49965	.0690B	.002	.06907	•11
89058	14.572	273.791	11.7997	.40513	.06912	.001	.06915	56
88057								
	14.570	273.163	11.8750	.32025	• 06 924	•003	.06930	<b>7</b> 9
88056	15.666	275.776	12.1400	• 50590	.07159	.001	•07152	•77
98055	15.665	274.834	12.2459	.50114	.07192	.001	.07190	• 65
88254	15.665	274.027	12.3371	.40529	.07224	.001	.07227	• 59
88053	15.665	273.203	12.4301	.32090	.07216	.002	.07224	03
88052	16.760	276.343	12.5778	.60400	.07477	.002	•07465	2.28
88051	16.751	275.550	12.6616	.49919	.07540	.001	.07533	2.64
88050	16.761	275.064	1.2.7131	.40497	•07623	.302	.07619	3.42
88049	16.763	274.692	12.7533	.32136	.07643	•003	.07642	3.45
88048	18.132	275.673	13.1831	.50491	.07713	.001	.07703	1.41
88747	18.138	274.805	13.2704	.50083	.07720	.002	•07718	• 99
99046	19.133	274.458	13.3028	.40736	.07782	• 002	•07783	1.59
88045	18.134	272.952	13.4504	.31937	.07703	.003	•07717	29
88044	19.704	275.472	13.7233	•60429	• 07995	.001	• 07986	1.13
98043	19.702	274.686	13.7943	.50022	.08033	.001	•08032	1.18
88042	19.700	273.963	12.8595	.49623	.08087	.002	.08093	1.44
88041	19.698	273.346	13.9151	•32121	.08067	.003	.08080	• 86
88 <b>039</b>	20.585	275.431	13.9855	.50458	.09176	.001	.08167	1.39
88038	20.583	274.683	14.0504	.49942	.08197	.001	.08196	1.25
88037	20.590	273.771	14.1324	.40593	.09170	.002	.08179	• 41
98340	20.582	273.489	14.1549	.32182	.08277	.002	• 98289	1.56
88035	23.447	274.504	14.7792	.60286	.08601	.001	.08602	.23
	23.450							31
88034		273.735	14.8392	.45846	.08589	.001	.08599	
88033	23.446	273.052	14.9921	.40400	.08604	.001	.08623	48
88032	25.707	275.038	15.3942	.71726	.09051	.001	.09045	05
88031	26.708	274.324	15.4452	.60258	.09085	.001	.09088	02
88030	26.707	273.563	15.4989	.49841	.09092	.001	.09106	31
88029	26.705	272.803	15.5526	.40374	• 09 08 9	.002	•09113	71
88028	30.617	275.883	15.9844	.84354	.09584	.001	•09565	.20
88027	30.515	274.588	15.0417	.71901	.09519	.001	•09613	•17
88026	30.615	274.313	16.0851	.60481	• 09655	.001	• 096 59	• 24
88025	30.614	273.232	16.1545	.49754	.09580	.001	.09599	-1.02
	35.153	275.359	16.6358	83999		.001		33
98024					.1012A		.10116	
99023	35.151	274.688	16.6749	.71599	.10166	.002	•10164	23
8 9 0 2 2	35.146	273.911	16.7198	.63150	.10176	•002	•10186	45
88021	35.145	273.204	16.7513	. 49590	.10169	.001	.10190	82
	40.663							. 84
88020		276.066	17.2197	.97544	.10857	.004	•10833	
89019	40.653	275.307	17.2603	.84266	·10783	.001	.10771	14
°8018	40.656	274.394	17.3091	.71765	.10821	.001	•10824	13
89017	40.649	273.769	17.3414	.50369	.10844	.001	.10856	15
		275 700						
88016	46.995	275.700	17.8364	•97333	-11411	.001	.11393	27
88016 88015	46.995 46.995	275.700 274.794						
88015	46.995	274.794	17.8364 17.8810	.97333 .83947	•11411 •11451	.001	•11393 •11447	27 24
88015 88014	46.995 45.996	274.794 274.185	17.8354 17.8810 17.9110	.97333 .83947 .71515	•11411 •11451 •11453	.001 .001	•11393 •11447 •11459	27 24 44
88015 88014 88013	46.995 45.996 46.995	274.794 274.185 273.152	17.8364 17.8810 17.9110 17.9614	.97333 .83947 .71515 .60007	•11411 •11451 •11453 •11454	.001 .001 .001	.11393 .11447 .11459 .11477	27 24 44 80
88015 88014 88013 88012	46.995 45.996 46.995 54.481	274.794 274.185 273.152 275.551	17.8364 17.8810 17.9110 17.9614 18.4348	.97333 .83947 .71515 .60007	.11411 .11451 .11453 .11454 .12198	.001 .001 .001 .001	.11393 .11447 .)1459 .11477 .12182	27 24 44 80 .35
88015 88014 88013	46.995 45.996 46.995	274.794 274.185 273.152	17.8364 17.8810 17.9110 17.9614	.97333 .83947 .71515 .60007	•11411 •11451 •11453 •11454	.001 .001 .001	.11393 .11447 .11459 .11477	27 24 44 80
88014 88014 88013 88012 88011	46.995 45.996 46.995 54.481 54.489	274.794 274.185 273.162 275.551 274.980	17.8364 17.881C 17.9110 17.9614 18.4348 19.4613	.97333 .83947 .71515 .60007 .97564 .84284	.11411 .11451 .11453 .11454 .12198	.001 .001 .001 .001 .001	.11393 .11447 .31459 .11477 .12182 .12230	27 24 44 80 .35 .48
88014 88014 88013 88012 88011 88010	46.995 45.996 46.995 54.481 54.489	274.794 274.185 273.162 275.551 274.980 274.315	17.8364 17.8810 17.9110 17.9614 18.4348 13.4613 18.4915	.97333 .83947 .71515 .60007 .97564 .84284 .71795	.11411 .11451 .11453 .11454 .12198 .12237	.001 .001 .001 .001 .001	.11393 .11447 .11459 .11477 .12182 .12230	27 24 44 80 .35 .48
88014 88014 88013 88012 98011 88010 98009	46.995 46.996 46.995 54.481 54.489 54.489	274.794 274.185 273.162 275.551 274.980 274.315 273.665	17.8364 17.8810 17.9110 17.9614 18.4348 19.4613 18.4915 18.5213	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321	.11411 .11451 .11453 .11454 .12198 .12237 .12237	.001 .001 .001 .001 .001 .001	.11393 .11447 .J1459 .11477 .12182 .12230 .12241	27 24 44 80 .35 .48 .26
88014 88014 88013 88012 88011 88010	46.995 45.996 46.995 54.489 54.489 54.482 52.785	274.794 274.185 273.162 275.551 274.980 274.315	17.8364 17.881C 17.9110 17.0614 18.4348 13.4613 18.4915 19.5213 18.9909	.97333 .83947 .71515 .60007 .97564 .84284 .71795	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009	.001 .001 .001 .001 .001	.11393 .11447 .11459 .11477 .12182 .12230	27 24 44 80 .35 .48 .26 09
88014 88014 88013 88012 98011 89010 98009 88008	46.995 45.996 46.995 54.489 54.489 54.482 52.785	274.794 274.185 273.162 275.551 274.980 274.315 273.655 275.481	17.8364 17.881C 17.9110 17.0614 18.4348 13.4613 18.4915 19.5213 18.9909	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009	.001 .001 .001 .001 .001 .001 .002	.11393 .11447 .J1459 .11477 .12182 .12230 .12241 .12236 .12993	27 24 44 80 .35 .48 .26 09
89015 88014 98013 89012 98011 89010 98009 88008 88007	46.995 45.996 46.995 54.489 54.489 54.489 54.492 62.785 62.788	274.794 274.185 273.152 275.551 274.980 274.315 273.665 275.481 274.489	17.8364 17.881C 17.9110 17.0614 18.4348 13.4613 18.4915 18.5213 18.9909 19.0332	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321 .97892 .84283	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12237 .12221 .13009 .12947	.001 .001 .001 .001 .001 .001 .002 .006	.11393 .11447 .J1459 .11477 .12182 .12230 .12241 .12236 .12993	27 24 44 80 .35 .48 .26 09 1.68
89015 88014 98013 89012 98011 89010 98009 88007 88007	46.995 45.996 46.995 54.489 54.489 54.489 54.492 62.785 62.789	274.794 274.185 273.152 275.551 274.980 274.315 273.665 275.481 274.489 273.886	17.8364 17.8810 17.9110 17.9614 18.4348 19.4613 18.4915 18.5213 18.9909 19.0332	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71768	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1	.001 .001 .001 .001 .001 .001 .002 .006 .001	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948	27 24 44 80 .35 .48 .26 09 1.08 .29
89015 88014 88013 89012 98011 89010 98009 88007 88007 88005	46.995 45.996 46.995 54.481 54.489 54.489 54.492 62.785 62.785 62.880	274.794 274.185 273.152 275.551 274.980 274.315 273.665 275.481 274.489 273.886 273.257	17.8364 17.881C 17.9110 17.9614 18.4348 13.4613 18.4915 18.5213 18.9909 19.0332 19.03585 19.0861	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915	.001 .001 .001 .001 .001 .001 .001 .006 .006	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937	27244480 .35 .48 .2609 1.68 .29 -1.0334
89015 88014 98013 89012 98011 89010 98009 88007 88007	46.995 45.996 46.995 54.489 54.489 54.489 54.492 62.785 62.789	274.794 274.185 273.152 275.551 274.980 274.315 273.665 275.481 274.489 273.886	17.8364 17.8810 17.9110 17.9614 18.4348 19.4613 18.4915 18.5213 18.9909 19.0332	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71768	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1	.001 .001 .001 .001 .001 .001 .002 .006 .001	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948	27 24 44 80 .35 .48 .26 09 1.08 .29
88015 88014 88013 88012 98011 89010 88009 88007 58006 88007 88005 88004	46.995 45.996 45.995 54.481 54.489 54.489 54.485 52.785 52.785 62.790 67.302	274.794 274.185 273.152 275.551 274.980 274.315 273.665 275.481 274.489 273.486 273.257	17.8354 17.8810 17.9110 17.0614 18.4348 19.4613 18.4915 18.5213 18.9999 19.0332 19.0585 19.0861 19.2620	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940	.11411 .11451 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12015	.001 .001 .001 .001 .001 .001 .002 .006 .001 .005 .009	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937	27244480 .35 .48 .2609 1.08 .29 -1.0334
88015 88014 88013 88012 38011 88010 88009 88007 88007 88005 88004 38004	46.995 45.996 45.995 54.481 54.489 54.489 52.785 52.785 62.790 67.800 67.304	274.794 274.185 273.152 275.551 274.980 274.315 273.665 275.481 274.489 273.289 273.257 275.259 274.614	17.8364 17.881C 17.9110 17.0614 18.4348 19.4613 18.4915 19.5213 18.9909 19.0332 19.0588 19.0861 19.2620 19.293C	.97333 .83947 .71515 .6007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165	.001 .001 .001 .001 .001 .001 .002 .006 .001 .005 .009 .009	.11393 .11447 .J1459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937	27 24 44 80 .35 .48 .26 09 1.68 .29 -1.03 34
88015 88014 98013 88012 38011 89010 98009 88007 88007 88005 88004 98003 38003	46.995 45.996 45.995 54.489 54.489 54.482 52.785 62.786 62.800 67.302 67.304 67.309	274.794 274.185 273.152 275.551 274.980 274.315 273.6655 275.481 274.489 273.257 275.357 275.359	17.8364 17.881C 17.9110 17.9614 18.4348 19.4613 18.4915 18.5213 18.9909 19.0332 19.0361 19.2620 19.2331	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71837	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347	.001 .001 .001 .001 .001 .001 .002 .006 .001 .005 .009 .009	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164	27 24 44 80 .35 .48 .26 09 1.68 .29 -1.03 34 .94
88015 88014 88013 88012 38011 88010 88009 88007 88007 88005 88004 38004	46.995 45.996 45.995 54.481 54.489 54.489 52.785 52.785 62.790 67.800 67.304	274.794 274.185 273.152 275.551 274.980 274.315 273.665 275.481 274.489 273.289 273.257 275.259 274.614	17.8364 17.881C 17.9110 17.0614 18.4348 19.4613 18.4915 19.5213 18.9909 19.0332 19.0588 19.0861 19.2620 19.293C	.97333 .83947 .71515 .6007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165	.001 .001 .001 .001 .001 .001 .002 .006 .001 .005 .009 .009	.11393 .11447 .J1459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937	27 24 46 80 .35 .48 .26 09 1.68 .29 -1.03 34
88015 88014 98013 88012 38011 89010 98009 88007 88007 88005 88004 98003 38003	46.995 45.996 45.995 54.489 54.489 54.482 52.785 62.786 62.800 67.302 67.304 67.309	274.794 274.185 273.152 275.551 274.980 274.315 273.6655 275.481 274.489 273.257 275.357 275.359	17.8364 17.881C 17.9110 17.9614 18.4348 19.4613 18.4915 18.5213 18.9909 19.0332 19.0361 19.2620 19.2331	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71837	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .12601 .12915 .13360 .13165 .13347	.001 .001 .001 .001 .001 .001 .002 .006 .001 .005 .009 .009	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358	27244480 .35 .48 .2609 1.68 .29 -1.0334 .9475 .40
88015 88014 98013 88012 38011 89010 98009 88007 88007 88005 88004 98003 38003	46.995 45.996 45.995 54.489 54.489 54.482 52.785 62.786 62.800 67.302 67.304 67.309	274.794 274.185 273.152 275.551 274.980 274.315 273.6655 275.481 274.489 273.257 275.357 275.359	17.8364 17.881C 17.9110 17.9614 18.4348 19.4613 18.4915 18.5213 18.9909 19.0332 19.0361 19.2620 19.2331	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71837	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347 .13304	.001 .001 .001 .001 .001 .001 .002 .006 .001 .005 .009 .009	.11393 .11447 .J1459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13164 .13358 .13329	27244480 .35 .48 .2609 1.68 .29 -1.0334 .9475 .4017
88015 88014 98013 88012 38011 89010 98009 88007 88007 88005 88004 98003 38003	46.995 45.996 45.995 54.489 54.489 54.482 52.785 62.786 62.800 67.302 67.304 67.309	274.794 274.185 273.152 275.551 274.980 274.315 273.6655 275.481 274.489 273.257 275.357 275.359	17.8364 17.881C 17.9110 17.9614 18.4348 19.4613 18.4915 18.5213 18.9909 19.0332 19.0361 19.2620 19.2331	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71837	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .12601 .12915 .13360 .13165 .13347	.001 .001 .001 .001 .001 .001 .002 .006 .001 .005 .009 .009	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358	27 24 46 80 .35 .48 .26 09 1.68 .29 -1.03 34 .94 75 .40
88015 88014 88013 88012 38011 89010 98009 88007 88007 88005 88005 88004 98005 88004 98003	46.995 45.996 45.995 54.489 54.489 54.492 52.785 62.786 62.800 67.302 67.304 67.309 57.317	274.794 274.185 273.152 275.551 274.980 274.315 273.6655 275.481 274.489 273.886 273.257 275.359 274.614 273.986 273.895	17.8354 17.881C 17.9110 17.0614 18.4348 18.4613 18.4515 18.5213 18.9909 19.0332 19.03585 19.0861 19.2620 19.293C 19.357C	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71637 .60235	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .J3165 .13347 .13304  Experimental	.001 .001 .001 .001 .001 .001 .002 .006 .001 .005 .009 .003 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13359	27244480 .35 .48 .2609 1.68 .29 -1.033494754017  Conductivity Deviation
88015 88014 98013 88012 38011 89010 98009 88007 88007 88005 88004 98003 38003	46.995 45.996 45.995 54.481 54.489 54.489 54.482 52.785 52.785 62.780 67.304 67.304 67.309 57.317	274.794 274.185 273.152 275.551 274.980 274.315 273.665 275.481 274.489 273.257 273.257 275.359 274.614 273.655 273.070	17.8354 17.8810 17.9110 17.0614 18.4348 19.4613 18.4915 18.5213 18.909 19.0332 19.0358 19.0861 19.2620 19.2930 19.3570	.97333 .83947 .71517 .6007 .97564 .84284 .71795 .60321 .97892 .84283 .7168 .60269 .97940 .84408 .71637 .60235	.11411 .11451 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .J3165 .13347 .13304 Experimental Thermai Conductivity	.001 .001 .001 .001 .001 .001 .002 .006 .001 .005 .009 .009	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13158 .13359 Adjusted Thermal at a Nominal Tampersture of 296.4K	27244480 .35 .48 .2609 1.68 .29 -1.033494754017  Conductivity Deviation from Corelation
88015 88014 88013 88012 38011 89010 98009 88007 88007 88005 88005 88004 98005 88004 98003	46.995 45.996 45.995 54.489 54.489 54.492 52.785 62.786 62.800 67.302 67.304 67.309 57.317	274.794 274.185 273.152 275.551 274.980 274.315 273.6655 275.481 274.489 273.886 273.257 275.359 274.614 273.986 273.895	17.8354 17.881C 17.9110 17.0614 18.4348 18.4613 18.4515 18.5213 18.9909 19.0332 19.03585 19.0861 19.2620 19.293C 19.357C	.97333 .83947 .71515 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71637 .60235	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .J3165 .13347 .13304  Experimental	.001 .001 .001 .001 .001 .001 .002 .006 .001 .005 .009 .003 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13359	27244480 .35 .48 .2609 1.08 .29 -1.033494754017  Conductivity Deviation
88015 88014 88013 88012 98011 89010 98009 88007 88007 88005 88004 98005 98005 98005	46.995 45.996 45.995 54.489 54.489 54.492 52.785 62.785 62.780 67.304 67.309 67.317	274.794 274.185 273.152 275.551 274.980 274.315 273.655 275.481 274.489 273.886 273.886 273.859 274.614 273.95 275.359 274.614	17.8364 17.8810 17.9110 17.0614 18.4348 19.4613 18.4915 19.0332 19.0332 19.0588 19.0861 19.2620 19.2930 19.3570	.97333 .83947 .71515 .6007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71837 .60235	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .33165 .13347 .13304 Experimental Thermal Conductivity	.001 .001 .001 .001 .001 .001 .005 .009 .003 .013 .001	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329 Adjusted Thermal at a Nominal Temperature of 296.4K	27244480 .35 .48 .2609 1.68 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent
88015 88014 88013 88012 38011 89010 98009 88007 88007 88005 88005 88004 98005 88004 98003	46.995 45.996 45.995 54.481 54.489 54.489 54.482 52.785 52.785 62.780 67.304 67.304 67.309 57.317	274.794 274.185 273.152 275.551 274.980 274.315 273.665 275.481 274.489 273.257 273.257 275.359 274.614 273.655 273.070	17.8354 17.8810 17.9110 17.0614 18.4348 19.4613 18.4915 18.5213 18.909 19.0332 19.0358 19.0861 19.2620 19.2930 19.3570	.97333 .83947 .71517 .6007 .97564 .84284 .71795 .60321 .97892 .84283 .7168 .60269 .97940 .84408 .71637 .60235	.11411 .11451 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .J3165 .13347 .13304 Experimental Thermai Conductivity	.001 .001 .001 .001 .001 .001 .002 .006 .001 .005 .009 .003 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13158 .13359 Adjusted Thermal at a Nominal Tampersture of 296.4K	27244480 .35 .48 .2609 1.68 .29 -1.033494754017  Conductivity Deviation from Corelation
88015 88014 98013 88012 98011 89010 98009 88007 88005 88005 88004 98005 98005 88004	46.995 45.996 45.995 54.489 54.489 54.482 52.785 62.785 62.780 67.302 67.304 67.309 57.317	274.794 274.185 273.152 275.551 274.980 274.315 273.6665 275.481 274.489 273.896 273.257 275.3259 274.614 273.695 273.070	17.8354 17.881C 17.9110 17.0614 18.4348 18.4613 18.4919 19.0332 19.03588 19.0861 19.2620 19.293C 19.357C	.97333 .83947 .7155 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71837 .60235	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .J3165 .13347 .13304  Experimental Thermal Conductivity W/m.K	.001 .001 .001 .001 .001 .001 .002 .006 .001 .005 .009 .003 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K	27244480 .35 .48 .2609 1.68 .29 -1.033494754017  Conductivity Deviation from Corelation percent 2.05
88015 88014 88013 88013 88012 98011 89010 88009 88007 88005 88006 88005 88005 88004 98003 38002 98001	46.995 45.996 45.995 54.489 54.489 54.489 54.785 52.785 52.789 62.800 67.302 67.304 67.307 87.317	274.794 274.185 273.152 275.551 274.980 274.315 273.655 275.481 274.489 273.257 275.359 274.614 273.695 273.070	17.8354 17.881C 17.9110 17.0614 18.4348 19.4613 18.4915 19.332 19.332 19.3570 Density mol/L .1854 .1864	.97333 .83947 .7157 .70007 .97564 .84284 .71795 .60321 .97892 .84283 .71789 .70269 .97940 .84408 .71837 .60235	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347 .13304 Experimental Thermai Conductivity W/m.K	.001 .001 .001 .001 .001 .002 .006 .001 .009 .009 .003 .013 .001 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13154 .13358 .13359 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K	27244480 .35 .48 .2609 1.08 .29 -1.033494754017  Conductivity Deviation from Corelation percent 2.05 1.37
88015 88014 88013 88012 98011 89010 98009 88007 88005	46.995 45.996 45.995 54.481 54.489 54.489 54.785 62.785 62.780 67.304 67.304 67.307 7.317	274.794 274.185 273.152 275.551 274.980 274.315 274.480 273.886 273.886 273.896 273.896 273.896 273.896 273.896 273.897	17.8364 17.8810 17.9110 17.0614 18.4413 18.4913 18.999 19.0332 19.0382 19.2620 19.2620 19.2930 19.3231 19.3570	.97333 .83947 .7155 .6007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71837 .60235	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12015 .13360 .J3165 .13347 .13304 Experimental Thermal Conductivity W/m.K	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .001 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329 Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K	27244680 .35 .48 .2609 1.68 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent 2.05 1.37 2.21
88015 88014 88013 88013 88012 98011 89010 88009 88007 88005 88006 88005 88005 88004 98003 38002 98001	46.995 45.996 46.995 54.489 54.489 54.489 52.788 62.789 67.304 67.304 67.309 67.317 Pressure MPa .453 .453	274.794 274.185 273.152 275.551 274.980 274.315 273.655 275.481 274.489 273.257 275.359 274.614 273.695 273.070	17.8354 17.881C 17.9110 17.0614 18.4348 19.4613 18.4915 19.332 19.332 19.3570 Density mol/L .1854 .1864	.97333 .83947 .7157 .70007 .97564 .84284 .71795 .60321 .97892 .84283 .71789 .70269 .97940 .84408 .71837 .60235	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347 .13304 Experimental Thermai Conductivity W/m.K	.001 .001 .001 .001 .001 .002 .006 .001 .009 .009 .003 .013 .001 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K .02918 .02923 .02924	27244480 .35 .48 .2609 1.68 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent 2.05 1.37 2.21 1.23
89015 88014 98013 89012 98011 89010 98009 88007 88007 88005 88004 98005 98005 98005 88004 98005 98005 88004 98005 88004 98005	46.995 45.996 46.995 54.489 54.489 54.489 52.788 62.789 67.304 67.304 67.309 67.317 Pressure MPa .453 .453	274.794 274.185 273.152 275.551 274.980 274.315 273.685 275.481 274.489 273.886 273.257 275.359 274.614 273.95 273.070  Temperature K 297.424 295.744 295.744	17.8354 17.8810 17.9110 17.0614 18.4348 19.4613 18.4915 19.0332 19.0332 19.0386 19.2620 19.2930 19.2930 19.3570 Density mol/L .1859 .1864 .1971 .1876	.97333 .83947 .71515 .6007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71837 .60269 .97940 .84408 .71837 .60269 .97940 .84408 .71837 .60269	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .12601 .12915 .13360 .J3165 .13347 .13304  Experimental Thermal Conductivity W/m.K .02933 .02901 .02914 .02875	.001 .001 .001 .001 .001 .002 .006 .001 .009 .009 .003 .013 .001 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K .02918 .02923 .02924	27244480 .35 .48 .2609 1.68 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent 2.05 1.37 2.21 1.23
89015 88014 98013 89012 98011 89010 98009 88007 88005 88005 88006 98005 98005 88004 98005 88004 98005 88004 98005 88004 98005 88004 98005 88004 98005 88004 98005 89005 89005 8005 8	46.995 45.996 46.995 54.489 54.489 54.482 52.785 62.785 62.780 67.304 67.309 67.317 Pressure MPa .453 .453 .453 1.975	274.794 274.185 273.152 275.551 274.980 274.315 273.6665 275.481 274.489 273.896 273.257 275.359 274.614 273.696 273.070  Temperature K  297.424 294.504 295.744 297.642	17.8354 17.881C 17.9110 17.0614 18.4348 18.4613 18.4909 19.0332 19.03588 19.0861 19.2620 19.293C 19.2331 19.357C Density mol/L .1854 .1864 .1971 .1876 .4489	.97333 .83947 .7155 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71876 .60235	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .J3165 .13347 .13304  Experimental Thermal Conductivity W/m.K .02933 .02901 .02914 .02875 .02999	.001 .001 .001 .001 .001 .001 .005 .005	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12235 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K .02918 .02898 .02923 .02994 .02973	2724444680 .35 .48 .2609 1.68 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73
88015 88014 88013 88013 88013 88012 98011 89010 88007 88007 88005 88005 88004 98005 88004 98005 88004 98005 88004 98005 88005 88006 88007 88005 88005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8	46.995 45.996 45.995 54.489 54.489 54.489 52.785 52.785 62.789 67.302 67.304 67.309 67.317 Pressure MPa .453 .453 .453 .453 1.075	274.794 274.185 273.152 275.551 274.980 274.315 273.655 275.481 274.489 273.257 275.359 274.614 273.695 273.070  Temperature K  297.424 295.744 295.744 297.424	17.8354 17.881C 17.9110 17.0614 18.4348 19.4613 18.4915 18.9099 19.0332 19.2520 19.2520 19.2520 19.357C Density mol/L .1859 .1864 .1971 .1864 .1971 .4489 .4501	.97333 .83947 .7157 .6007 .97564 .84284 .71735 .60321 .97892 .84283 .71632 .71637 .60235 Power W/m .15610 .11137 .0237 .0238	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .129661 .12915 .13360 .13165 .13347 .13304 Experimental Thermal Conductivity W/m.K	.001 .001 .001 .001 .001 .002 .006 .001 .009 .009 .003 .013 .001 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13359 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K  .02918 .02898 .02923 .02894 .02973 .02970	2724444680 .35 .48 .2609 1.08 .29 -1.033494754017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73 1.62
89015 88014 88013 89013 89011 89010 98009 88007 88005 89005 89005 8005 8	46.995 45.996 45.995 54.489 54.489 54.489 54.482 52.788 62.780 67.304 67.309 67.317  Pressure HPB .453 .453 .453 1.075 1.075	274.794 274.185 273.152 275.551 274.980 274.315 274.480 273.886 273.886 273.896 273.896 273.896 273.896 273.697 274.614 273.996 273.070	17.8364 17.8810 17.9110 17.0614 18.4413 18.4913 18.999 19.0332 19.0388 19.2620 19.2620 19.3231 19.3570 Density mol/L .1854 .1864 .1971 .1876 .4489 .4501 .4501	.97333 .83947 .7155 .6007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71837 .50235	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12015 .13360 .J3165 .13347 .13304 Experimental Thermai Conductivity W/m.K .02933 .02901 .02914 .02875 .02999 .02986 .02961	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .001 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K .02918 .02923 .02944 .02973 .02970 .02962	27244680 .35 .48 .2609 1.08 .29 -1.0334 .9475 .4017  Conductivity Deviation From Corelation percent 2.05 1.37 2.21 1.23 1.73 1.62 1.34
88015 88014 88013 88013 88013 88012 98011 89010 88007 88007 88005 88005 88004 98005 88004 98005 88004 98005 88004 98005 88005 88006 88007 88005 88005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8	46.995 45.996 45.995 54.489 54.489 54.489 52.785 52.785 62.789 67.302 67.304 67.309 67.317 Pressure MPa .453 .453 .453 .453 1.075	274.794 274.185 273.152 275.551 274.980 274.315 273.655 275.481 274.489 273.257 275.359 274.614 273.695 273.070  Temperature K  297.424 295.744 295.744 297.424	17.8354 17.881C 17.9110 17.0614 18.4348 19.4613 18.4915 18.9099 19.0332 19.2520 19.2520 19.2520 19.357C Density mol/L .1859 .1864 .1971 .1864 .1971 .4489 .4501	.97333 .83947 .7157 .6007 .97564 .84284 .71735 .60321 .97892 .84283 .71632 .71637 .60235 Power W/m .15610 .11137 .0237 .0238	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347 .13304  Experimental Thermal Conductivity W/m.K  .02933 .02901 .02914 .02875 .02999 .02986	.001 .001 .001 .001 .001 .002 .006 .001 .009 .009 .003 .013 .001 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13359 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K  .02918 .02898 .02923 .02894 .02973 .02970	2724444680 .35 .48 .2609 1.08 .29 -1.033494754017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73 1.62
89015 88014 98013 89012 98011 89010 98009 88007 88005 88005 88004 98005 98005 98005 88004 98005 88004 98005 88004 98005 88004 98005 98005 98005 88004 98005	46.995 45.996 45.995 54.489 54.489 54.489 54.482 52.788 62.780 67.304 67.309 67.317  Pressure HPB .453 .453 .453 1.075 1.075	274.794 274.185 273.152 275.551 274.980 274.315 273.686 273.886 273.886 273.886 273.896 273.896 273.257 275.359 274.614 273.986 273.070	17.8354 17.881C 17.9110 17.0614 18.4348 18.4613 18.4919 19.0332 19.03548 19.2620 19.2231 19.357C Density mol/L .1854 .1854 .1876 .4489 .4501 .4533	.97333 .83947 .7155 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .71786 .60269 .97940 .84408 .71637 .50235 Power W/m .15610 .11197 .02879 .19798 .13342 .11263	.11411 .11451 .11451 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .33165 .13347 .13304  Experimental Thermal Conductivity W/m.K .02933 .02901 .02946	.001 .001 .001 .001 .001 .002 .006 .005 .009 .003 .013 .013 .005 .005 .005 .005 .005 .005	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K  .02918 .02898 .02923 .02894 .02973 .02970 .02962 .02962	27244480 .35 .48 .2609 1.68 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent 2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16
89015 88014 98013 89011 89011 89010 98009 88007 88005 88005 88005 98005 89005 8005 8	46.995 46.996 46.995 54.489 54.489 54.489 54.489 54.489 62.785 62.785 62.785 67.304 67.307 67.307 Pressure MPa 453 453 453 1.075 1.075 1.075 1.075	274.794 274.185 273.162 275.551 274.980 274.315 273.665 275.481 274.489 273.257 275.359 274.614 273.257 275.369 274.614 273.267 273.070	17.8354 17.881C 17.9110 17.0614 18.4348 18.4915 18.9999 19.0332 19.03588 19.0861 19.2620 19.293C 19.231 19.357C Density mol/L .1854 .1854 .1876 .4489 .4501 .4533 1.0327	.97333 .83947 .7155 .6007 .97564 .84284 .71795 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .7166 .7167 .60235	.11411 .11451 .11451 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .J3165 .13347 .13304  Experimental Thermai Conductivity W/m.K .02933 .02901 .02914 .02946 .02966 .02946	.001 .001 .001 .001 .001 .002 .006 .005 .009 .003 .013 .013 .005 .005 .005 .005 .005 .005 .005 .00	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13154 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K .02918 .02898 .02923 .02894 .02973 .02970 .02962 .02957 .03098	2724444480 .35 .48 .2609 1.68 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70
88015 88014 88013 88013 88012 98011 89010 88009 88007 88005 88004 98005 88004 98005 88007 88005 88007 88005 88007 88005 8005 8005 8005 8005 8005 8005 8005 8	46.995 45.996 45.995 54.489 54.489 54.489 54.489 62.785 62.785 62.789 67.302 67.304 67.307 67.307 Pressure MPa .453 .453 .453 .453 1.075 1.075 1.075 1.075 2.365	274.794 274.185 273.152 275.551 274.980 274.315 274.480 273.461 274.480 273.257 275.359 274.614 273.695 273.070  Temperature K  297.424 295.744 295.744 295.744 295.744 297.498 206.299 295.568 209.033 297.147	17.8354 17.881C 17.9110 17.0614 18.4348 18.4915 18.4915 18.9099 19.0332 19.357C Density mol/L .1854 .1864 .1971 .1854 .4489 .4501 .4521 .4531 .10347	.97333 .83947 .71515 .70007 .97564 .84284 .71732 .97892 .84283 .71789 .70269 .97940 .84408 .71837 .60235 .71837 .70235 .70335 .70335 .70335 .70335 .70335	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347 .13304  Experimental Thermal Conductivity W/m.K  .02933 .02901 .02914 .02875 .02996 .02961 .02946 .03111 .03092	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .001 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K  .02918 .02898 .02923 .02894 .02973 .02970 .02962 .02977 .03098 .03091	2724444680 .35 .48 .2609 1.08 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45
89015 88014 88013 89013 89011 89010 89009 89009 89005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005	46.995 45.996 45.995 54.489 54.489 54.489 54.482 52.788 62.780 67.304 67.309 67.307 Pressure HPB .453 .453 1.075 1.075 1.075 1.075 2.365 2.365	274.794 274.185 273.152 275.551 274.980 274.315 274.480 273.886 273.886 273.896 273.896 273.896 273.896 273.696 273.696 273.696 273.696 297.424 295.744 297.498 296.298 297.498 298.033	17.8354 17.881C 17.9110 17.0614 18.4413 18.4913 18.9999 19.0332 19.0588 19.2620 19.2620 19.2620 19.3231 19.357C Density mol/L .1859 .1864 .1971 .1876 .4489 .4501 .4533 1.0327 1.0347 1.0404	.97333 .83947 .7155 .6007 .97564 .84284 .71735 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71837 .50235	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .12601 .12015 .13360 .J3165 .13347 .13304  Experimental Thermai Conductivity W/m.K .02933 .02901 .02914 .02875 .02996 .02946 .03111 .03092 .03095	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .001 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K .02918 .02898 .02923 .02894 .02970 .02962 .02977 .03098 .03091 .03096	27244680 .35 .48 .2609 1.68 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent 2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45 .88
88015 88014 88013 88013 88012 98011 89010 88009 88007 88005 88004 98005 88004 98005 88007 88005 88007 88005 88007 88005 8005 8005 8005 8005 8005 8005 8005 8	46.995 45.996 45.995 54.489 54.489 54.489 54.489 62.785 62.785 62.789 67.302 67.304 67.307 67.307 Pressure MPa .453 .453 .453 .453 1.075 1.075 1.075 1.075 2.365	274.794 274.185 273.152 275.551 274.980 274.315 274.480 273.461 274.480 273.257 275.359 274.614 273.695 273.070  Temperature K  297.424 295.744 295.744 295.744 295.744 297.498 206.299 295.568 209.033 297.147	17.8354 17.881C 17.9110 17.0614 18.4348 18.4915 18.4915 18.9099 19.0332 19.357C Density mol/L .1854 .1864 .1971 .1854 .4489 .4501 .4521 .4531 .10347	.97333 .83947 .71515 .70007 .97564 .84284 .71732 .97892 .84283 .71789 .70269 .97940 .84408 .71837 .60235 .71837 .70235 .70335 .70335 .70335 .70335 .70335	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347 .13304  Experimental Thermal Conductivity W/m.K  .02933 .02901 .02914 .02875 .02996 .02961 .02946 .03111 .03092	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .001 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K  .02918 .02898 .02923 .02894 .02973 .02970 .02962 .02977 .03098 .03091	2724444480 .35 .48 .2609 1.08 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45 .86
89015 88014 88013 89013 89011 89010 89009 89009 89005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005	46.995 45.996 45.995 54.489 54.489 54.489 54.482 52.788 62.780 67.304 67.309 67.307 Pressure HPB .453 .453 1.075 1.075 1.075 1.075 2.365 2.365	274.794 274.185 273.152 275.551 274.980 274.315 274.480 273.886 273.886 273.896 273.896 273.896 273.896 273.696 273.696 273.696 273.696 297.424 295.744 297.498 296.298 297.498 298.033	17.8354 17.881C 17.9110 17.0614 18.4438 18.4413 18.4919 19.0332 19.03589 19.0861 19.2620 19.293C 19.231 19.357C Density mol/L .1854 .1871 .1876 .4489 .4501 .4533 1.0327 1.0367 1.0404 1.0435	.97333 .83947 .7155 .6007 .97564 .84284 .71735 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71837 .50235	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .12601 .12015 .13360 .J3165 .13347 .13304  Experimental Thermai Conductivity W/m.K .02933 .02901 .02914 .02875 .02996 .02946 .03111 .03092 .03095	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .001 .013	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K .02918 .02898 .02923 .02894 .02970 .02962 .02977 .03098 .03091 .03096	27244680 .35 .48 .2609 1.68 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent 2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45 .88
88015 88014 88013 88013 88013 880012 98011 890109 880009 880005 8800005 8800005 8800005 8800005 8800005 8800005 8800005 8	46.995 46.996 46.995 54.489 54.489 54.489 54.489 54.785 62.789 67.304 67.304 67.307 Pressure NPa .453 .453 1.075 1.075 1.075 1.075 2.365 2.365 2.365 3.303	274.794 274.185 273.152 275.551 274.980 274.315 273.655 275.481 274.489 273.257 275.359 274.614 273.695 273.070  Temperature K 297.424 296.504 295.744 297.042 204.295.744 297.498 204.295.744 297.498 204.295.744	17.8354 17.881C 17.9110 17.0614 18.4348 19.4613 18.4915 18.213 18.9099 19.0332 19.2520 19.2520 19.2520 19.2521 19.2570 Density mol/L .1859 .1864 .1971 .1876 .4489 .4501 .4533 1.0347 1.0404 1.0405	97333 83947 71515 71515 60007 97564 84284 71795 60321 97892 84283 71768 60269 97940 84687 760235 Power W/m 15610 113766 11137 03879 115698 113423 11263 11263 11263 119813 116688 113423 11263 1	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .J3165 .13347 .13304  Experimental Thermai Conductivity W/m.K .02933 .02901 .02914 .02875 .02999 .02986 .02961 .02946 .03111 .J3092 .03095 .03066 .03210	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .005 .005 .005 .005 .005 .005 .005 .00	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13154 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K  .02918 .02898 .02923 .02894 .02973 .02970 .02962 .02957 .03098 .03091 .03096 .03076 .03194	2724444680 .35 .48 .2609 1.08 .29 -1.033494754017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45 .88 .22 .27
89015 88014 88013 89011 89010 98011 89010 88007 88007 88005 88004 98005 88005 88007 88005 89005 8005 8	46.995 45.996 45.995 54.489 54.489 54.489 54.489 62.785 62.780 67.302 67.304 67.307 67.307 Pressure MPa .453 .453 .453 1.075 1.075 1.075 1.075 2.365 2.365 2.365 3.303	274.794 274.185 273.152 275.551 274.980 274.315 274.480 273.481 274.480 273.257 275.359 274.614 273.695 273.070  Temperature  297.424 295.744 295.744 297.429 204.290 295.788 208.033 297.147 295.350 295.881	17.8354 17.881C 17.9110 17.0614 18.4413 18.4915 18.4915 18.213 18.9909 19.0332 19.2520 19.2520 19.2520 19.3231 19.357C Density mol/L .1854 .1854 .1876 .4489 .4501 .4533 1.0327 1.0404 1.0404 1.4954 1.5008	- 97333 - 83947 - 71515 - 70007 - 97564 - 84284 - 71732 - 97892 - 84283 - 71768 - 97940 - 84408 - 71825 - 708235 - 70835 -	.11411 .11451 .11451 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347 .13304  Experimental Thermai Conductivity W/m.K  .02933 .02901 .02914 .02875 .02986 .02961 .02946 .03111 .03092 .03095 .03095 .03066 .03210 .03208	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .001 .013 .005 .005 .005 .005 .005 .005 .005 .00	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13154 .13358 .13359 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K  .02918 .02898 .02923 .02894 .02977 .03098 .03091 .03096 .03076 .03194 .03202	2724444680 .35 .48 .2609 1.08 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45 .86 .22 .27 .47
89015 88014 88013 89011 89010 98009 89009 89005 88007 88005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8005 8	46.995 45.996 45.995 54.489 54.489 54.482 52.788 62.788 67.304 67.304 67.307 67.807 67.807 67.807 67.365 67.365 67.365 67.303	274.794 274.185 273.152 275.551 274.980 274.315 274.480 273.886 273.257 275.257 275.259 274.614 273.696 273.070  Temperature  K  297.424 295.744 295.744 297.608 207.608 207.608 207.608 207.608 207.608 207.608 207.608 207.608 207.608 207.6081 207.6081 207.6081	17.8354 17.881C 17.9110 17.6614 18.4413 18.4913 18.9999 19.0332 19.0588 19.2620 19.2620 19.223C 19.3231 19.357C Density mol/L .1859 .1864 .1971 .1876 .4489 .4501 .4521 .4533 1.0327 1.0404 1.0404 1.0405 1.0404 1.0405 1.05064	.97333 .83947 .7153 .6007 .97564 .84284 .71735 .60321 .97892 .84283 .71768 .60269 .97940 .84408 .71837 .50235 .71837 .718	.11411 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12015 .13360 .J3165 .13347 .13304  Experimental Thermai Conductivity W/m.K .02933 .02901 .02914 .02875 .02996 .02946 .03111 .03092 .03095 .03095 .03096 .03208 .03194	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .001 .013 .005 .005 .005 .005 .006 .005 .006 .005 .006 .005 .006 .005 .006 .006	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K .02918 .02898 .02923 .02894 .02977 .03098 .03091 .03096 .03076 .03194 .03202 .03199	27244680 .35 .48 .2609 1.08 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent 2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45 .88 .22 .27 .47 .32
89015 88014 88013 89011 89010 98011 89010 88007 88007 88005 88004 98005 88005 88007 88005 89005 8005 8	46.995 45.996 45.995 54.489 54.489 54.489 54.489 62.785 62.780 67.302 67.304 67.307 67.307 Pressure MPa .453 .453 .453 1.075 1.075 1.075 1.075 2.365 2.365 2.365 3.303	274.794 274.185 273.152 275.551 274.980 274.315 274.480 273.481 274.480 273.257 275.359 274.614 273.695 273.070  Temperature  297.424 295.744 295.744 297.429 204.290 295.788 208.033 297.147 295.350 295.881	17.8354 17.881C 17.9110 17.0614 18.4413 18.4915 18.4915 18.213 18.9909 19.0332 19.2520 19.2520 19.2520 19.3231 19.357C Density mol/L .1854 .1854 .1876 .4489 .4501 .4533 1.0327 1.0404 1.0404 1.4954 1.5008	- 97333 - 83947 - 71515 - 70007 - 97564 - 84284 - 71732 - 97892 - 84283 - 71768 - 97940 - 84408 - 71825 - 708235 - 70835 -	.11411 .11451 .11451 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347 .13304  Experimental Thermai Conductivity W/m.K  .02933 .02901 .02914 .02875 .02986 .02961 .02946 .03111 .03092 .03095 .03095 .03066 .03210 .03208	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .001 .013 .005 .005 .005 .005 .005 .005 .005 .00	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13154 .13358 .13359 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K  .02918 .02898 .02923 .02894 .02977 .03098 .03091 .03096 .03076 .03194 .03202	2724444680 .35 .48 .2609 1.68 .29 -1.033494754017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45 .88 .22 .27 .47 .32 .35
89015 88014 98013 89011 89010 98009 88007 88007 88005 88005 88005 98005 98005 89005 8005 8	46.995 45.996 46.995 54.489 54.489 54.489 54.489 562.788 62.789 67.304 67.307 67.307 67.307 67.307 67.307 67.307 67.307 67.307 67.307 67.307 67.307 67.307 67.307 67.307 67.307 67.307 67.307 67.307	274.794 274.185 273.152 275.551 274.980 274.315 273.681 274.480 273.886 273.886 273.896 273.896 273.070  Temperature  K  297.424 295.744 295.744 297.622 207.498 206.298 207.498 207.498 207.498 207.498 207.498 207.498 207.498 207.498 207.498 207.498 207.498 207.498 207.498 207.498 207.498 207.498 207.498 207.498 207.498	17.8354 17.881C 17.9110 17.0614 18.4438 18.4413 18.4909 19.0332 19.03588 19.0861 19.2620 19.2231 19.357C Density mol/L .1859 .1864 .1971 .1876 .4489 .4501 .4523 1.0327 1.0347 1.0404 1.0404 1.0405 1.4054 1.5008 1.5064 1.5102	.97333 .83947 .7155.60007 .97564 .84284 .71795 .60321 .97892 .84283 .71795 .60326 .97940 .84483 .750235 .75023	.11411 .11451 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347 .13304  Experimental Thermai Conductivity W/m.K .02933 .02901 .02914 .02946 .03111 .03092 .03095 .03066 .03210 .03208 .03194 .03189	.001 .001 .001 .001 .001 .002 .006 .009 .003 .013 .005 .005 .005 .006 .005 .006 .005 .006 .005 .006 .001 .003 .006 .005 .006 .006 .006 .001 .009 .009 .009 .009 .009 .009 .009	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K .02918 .02898 .02923 .02894 .02973 .02970 .02962 .02957 .03098 .03091 .03096 .03076 .03194 .03202 .03199 .03200	27244680 .35 .48 .2609 1.08 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent 2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45 .88 .22 .27 .47 .32
88015 88014 88013 88013 88012 98011 890109 880007 880005 87155 87155 87155 87155 87154 87144 871445 871445 871443 871443 871442 871441	46.995 46.996 46.995 54.489 54.489 54.489 54.489 62.789 62.789 62.789 67.304 67.307 67.307 Pressure MPa .453 .453 1.075 1.075 1.075 1.075 2.365 2.365 2.365 3.303 3.303 3.303 3.303 3.303	274.794 274.185 273.152 275.551 274.980 274.315 274.489 273.451 274.489 273.257 275.359 274.614 273.695 273.070  Temperature K 297.424 296.504 297.744 297.642 207.498 206.208 297.147 295.350 295.768 297.147 295.350 295.764 297.564 297.564	17.8354 17.881C 17.9110 17.0614 18.4348 19.4613 18.4915 18.213 18.9099 19.0332 19.2520 19.2520 19.2521 19.2520 19.2521 19.3570 Density mol/L .1859 .1864 .1971 .1876 .4489 .4501 .4523 1.0347 1.0404 1.0404 1.0405 1.5008	97333 83947 71517 70007 97564 84284 71795 60321 97892 84283 71768 600269 97940 84488 71637 60235 Power W/m 15610 113766 11137 97899 15698 13342 1263 1283 1283 1283 1283 1283 1283 1283 128	.11411 .11451 .11451 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .J3165 .13347 .13304  Experimental Thermal Conductivity W/m.K  .02933 .02901 .02914 .02875 .02986 .02961 .02946 .03111 .03092 .03095 .03066 .03210 .03208 .03194 .03189 .03372	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .001 .005 .005 .005 .005 .005 .005 .005	.113 93 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13154 .13358 .13329  Adjusted Thermal at a Nominal Tamperature of 296.4K W/m.K  .02918 .02898 .02923 .02894 .02973 .02970 .02962 .02977 .03098 .03091 .03096 .03076 .03194 .03202 .03199 .03200 .03356	27244680 .35 .48 .2609 1.68 .29 -1.033494754017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45 .88 .22 .27 .47 .32 .35 1.10
89015 88014 88013 89013 89011 89010 89009 89009 89005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005	46.995 45.996 45.995 54.489 54.489 54.489 54.488 62.788 62.788 67.304 67.304 67.307 67.802 67.802 67.802 67.802 67.803 67.304 67.304 67.305 67.304 67.307 788 888 8453 8453 8453 8453 8453 8453 845	274.794 274.185 273.152 275.551 274.980 274.315 274.480 273.481 274.480 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486	17.8354 17.881C 17.9110 17.0614 18.4413 18.4913 18.4913 18.9999 19.0332 19.2520 19.2520 19.2620 19.2231 19.357C Density mol/L .1854 .1854 .1871 .1864 .1971 .1876 .489 .4501 .4523 1.0367 1.0404 1.0404 1.4954 1.5008 1.5064 1.5102 1.9957 2.0067	- 97333 - 83947 - 71515 - 715007 - 97564 - 84284 - 71732 - 97892 - 84283 - 71768 - 97940 - 84408 - 71825 -	.11411 .11451 .11451 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347 .13304  Experimental Thermai Conductivity W/m.K  .02933 .02901 .02914 .02875 .02986 .02961 .02946 .03111 .03092 .03095 .03095 .03095 .03194 .03189 .03194 .03189 .03372 .03332	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .001 .013 .005 .005 .005 .005 .005 .005 .005 .00	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13154 .13358 .13359 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K  .02918 .02898 .02923 .02894 .02977 .03098 .02970 .02962 .02977 .03098 .03091 .03096 .03076 .03194 .03202 .03199 .03200 .03356 .03330	27244680 .35 .48 .2609 1.08 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45 .88 .22 .27 .47 .32 .35 1.10 .22
89015 88014 88013 89011 89010 98009 88007 880065 88006 88006 88006 88006 88006 88006 88006 88006 88006 88006 88006 88006 88006 88006 88	46.995 46.996 46.996 46.997 54.489 54.489 54.488 67.780 67.800 67.304 67.304 67.307 Press NP8 .453 1.0775 1.0775 1.0775 2.3665 2.3665 3.303 3.303 3.303 3.303 4.251 4.251	274.794 274.185 273.152 275.551 274.980 274.315 274.480 273.481 274.480 273.486 273.257 275.257 275.259 274.614 273.696 273.070  Temperature  297.424 295.744 295.744 297.628 207.208 207.308 207.508 207.308 207.508 207.5081 207.5081 207.5081 207.5081 207.5081 207.5081 207.5081 207.5081 207.5081 207.5081 207.5081 207.5081 207.5081	17.8354 17.881C 17.9110 17.0614 18.4348 18.4613 18.4919 19.0332 19.03588 19.0861 19.2620 19.2231 19.357C Density mol/L .1854 .1876 .4489 .4501 .4533 1.0327 1.0404 1.0435 1.4954 1.5008 1.5008	.97333 .83947 .7155 .60007 .97564 .84284 .71795 .60321 .97892 .84283 .60269 .97940 .844087 .60235 .60235 .60235 .60321 .70269 .97940 .844087 .70235	.11411 .11451 .11451 .11453 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347 .13304  Experimental Thermal Conductivity W/m.K .02933 .02901 .02946 .03111 .03095 .03095 .03095 .03095 .03095 .03194 .03194 .03194 .03194 .03199 .03337	.001 .001 .001 .001 .001 .002 .006 .005 .009 .003 .013 .013 .005 .005 .005 .005 .005 .005 .005 .00	.113 93 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13164 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K  .02918 .02898 .02923 .02894 .02973 .02970 .02962 .02957 .03098 .03096 .03076 .03194 .03202 .03199 .03200 .03356 .03330 .03342	2724444480 .35 .48 .2609 1.08 .29 -1.03349475 .4017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45 .88 .22 .27 .47 .32 .35 1.10 .22 .54
89015 88014 88013 89013 89011 89010 89009 89009 89005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005 80005	46.995 45.996 45.995 54.489 54.489 54.489 54.488 62.788 62.788 67.304 67.304 67.307 67.802 67.802 67.802 67.802 67.803 67.304 67.304 67.305 67.304 67.307 788 888 8453 8453 8453 8453 8453 8453 845	274.794 274.185 273.152 275.551 274.980 274.315 274.480 273.481 274.480 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 273.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486 297.486	17.8354 17.881C 17.9110 17.0614 18.4413 18.4913 18.4913 18.9999 19.0332 19.2520 19.2520 19.2620 19.2231 19.357C Density mol/L .1854 .1854 .1871 .1864 .1971 .1876 .489 .4501 .4523 1.0367 1.0404 1.0404 1.4954 1.5008 1.5064 1.5102 1.9957 2.0067	- 97333 - 83947 - 71515 - 715007 - 97564 - 84284 - 71732 - 97892 - 84283 - 71768 - 97940 - 84408 - 71825 -	.11411 .11451 .11451 .11454 .12198 .12237 .12237 .12221 .13009 .12947 .126C1 .12915 .13360 .13165 .13347 .13304  Experimental Thermai Conductivity W/m.K  .02933 .02901 .02914 .02875 .02986 .02961 .02946 .03111 .03092 .03095 .03095 .03095 .03194 .03189 .03194 .03189 .03372 .03332	.001 .001 .001 .001 .001 .002 .006 .001 .009 .003 .013 .001 .013 .005 .005 .005 .005 .005 .005 .005 .00	.11393 .11447 .11459 .11477 .12182 .12230 .12241 .12236 .12993 .12948 .12812 .12937 .13346 .13154 .13358 .13359 .13358 .13329  Adjusted Thermal at a Nominal Temperature of 296.4K W/m.K  .02918 .02898 .02923 .02894 .02977 .03098 .02970 .02962 .02977 .03098 .03091 .03096 .03076 .03194 .03202 .03199 .03200 .03356 .03330	27244680 .35 .48 .2609 1.08 .29 -1.0334 .9475 .4017  Conductivity Deviation from Corelation percent  2.05 1.37 2.21 1.23 1.73 1.62 1.34 1.16 .70 .45 .88 .22 .27 .47 .32 .35 1.10 .22

07127	5.000	297.179	2.475€	.23201	.03502	. 202	.33492	1.05
97137						.003	.03494	1.61
A 71 36	5.090	296.415	2.4975	.19910	.03494			
87134	5.039	296.110	2.4917	.15654	.03459	.003	.03463	.09
87135	5.049	295.311	2.5041	.13838	.C3481	.003	.03495	. 91
		297.780	2.9625	.26781	.03643	.002	.03625	. 70
97133	5.912							
97132	5.912	297.215	2.9737	.23150	.03642	.001	.03632	. 77
67121	5.012	295.615	2.9958	.19777	.03640	.002	.03637	. 82
	5.912	296.252	2.9932	.14703	.03645	•202	.03647	1.02
P713C								
87129	5.912	295.473	3.0091	·13845	.03618	• 005	.03630	. 47
97129	6.589	297.670	2.3977	.25851	.03778	.002	.03752	. 57
87127	4.589	296.756	3.4204	.23185	.03766	.001	.03762	. 40
							.03747	03
37126	5.589	296.330	3.4311	.19804	.03746	.002		
87125	5.599	295.756	3.4455	.16705	.03764	• ၁၁2	.03771	• 50
87124	7.138	297.175	2.7794	.25815	.03900	•003	.03891	.71
87123	7.139	296.634	3.7955	.23147	.03993	.002	.03990	· £5
87122	7.138	296.037	3.8133	.19759	.03891	.003	.03895	• 52
R7121	7.128	295.701	3 • 92 3 5	·15695	.03904	•003	.03912	· E A
87120	7.834	297.512	4.2569	.30752	.04070	.001	.04058	.71
			4.2781	.26819	.04076	.001	.04070	. 62
A 71 1 0	7.834	296.921						
87]18	7.834	296.300	4.3007	.23157	•04064	• 202	.04065	. 50
87117	7.934	295.624	4.3256	•19759	.04063	.002	.04071	. 43
87116	9.470	297.313	4.7295	.30747	.04276	.004	.04267	1.52
						.003	.04244	.75
87115	8 • 470	296.666	4.7571	.25816	.04247			
P7114	8.470	296.179	4.7781	.23162	.04227	.003	.04229	.21
87113	P.470	295.660	4.9009	.19759	.04244	.004	.04251	.53
	9.186	297.222	5.2767	.30748	.04456	.002	.04449	. 84
P7112								
87111	9.185	295.604	5.3080	.26318	.04448	.003	.04445	.50
67110	9.185	296.061	5.3360	.23184	.04=09	•003	.04512	1.71
97109	9.185	295.377	5.3718	.19770	.04445	.002	.04455	.14
87108	9.821	299.273	5.7098	.39365	•04653	• 002	.04638	1.17
P7107	9.821	297.601	5.7479	•34922	• 04651	.001	.04541	• 41
87104	9.831	296.367	5.8130	.26780	.04643	.002	.04643	.34
						.002	.04541	17
87105	9.822	205.503	5.8711	.19758	.04634			
R7104	10.408	298.110	6.1736	.39342	•04822	.001	•04809	. 77
87103	10.408	297.240	6.2286	.34903	.04816	.001	.04810	.31
87102		296.323	6.2879	.26795	.04823	.002	• 9 4 8 2 3	.09
	10.408							
97101	10.408	295.338	6.3535	.19807	• 04 826	.002	.04833	27
87100	10.980	298.348	5.5008	.44024	• 04990	.001	•04977	.57
87099	10.990	296.835	6.705E	.34898	.04995	.001	.04992	00
							.05008	13
87098	10.980	296.108	6.7576	.26804	.05006	•002		
87097	10.980	295.159	6.8270	.19755	.04991	.004	.04998	89
87096	11.462	298.793	6.9395	.44069	•05206	.001	.05191	1.95
87295	11.452	297.040	7.0679	.34818	.05163	.002	•05159	• 31
87094	11.461	296.205	7.1297	.26773	.05175	• 002	•05175	•14
87093	11.461	295.797	7.1613	.19795	•05186	.002	.05189	.14
87092	12.197	295.501	7.5132	.43969	.05379	.002	.05368	.74
								1.84
97091	12.197	297.684	7.5777	•34907	.05462	•005	.05455	
87090	12.197	295.509	7.6646	•35787	.05450	.003	• 05449	1.66
P7089	12.197	295.013	7.7978	.19767	.05413	.003	.05419	-,49
87087	12.903	297.814	8.0845	.44055	.05576	.002	.05569	.10
87086	12.903	296.957	8.1565	.34879	.05607	• 002	.05504	.20
P7085	12.903	296.121	8.2297	.26824	.05624	•002	• 056 25	.04
87088	12.904	295.173	8.3138	.19772	.05633	.003	•05538	33
		297.465		48921	.05740	.004	•05735	:0
97084	13.563		9.5774					
87083	13.563	294.792	8.5381	.43900	.05771	•002	• 95769	32
97082	13.554	295.908	8.7170	.34761	.05800	.002	.05802	30
87081	13.563	294.915	8.8079	.26653	.05736	.397	.05742	-1.98
87080	14.216	297.345	9.0244	.48974	.05942	.002	.05938	OR
97079	14.214	246.829	9.0702	•43923	• 25 953	.003	.05951	16
87078	14.215	295.723	9.1721	.34735	.05916	.003	.05919	-1.39
97077	14.215	294.812	9.2579	.26635	05965	.002	.05972	-1.06
87076	14.966	297.584	9.4744	.54140	.06103	.002	•06097	40
87075	14.964	296.642	9.5595	.43917	.06135	.002	.06135	34
87074	14.964	295.773	9.5402	.34773	.06159	.002	.06152	42
97073	14.955	294.674	9.7442			•002	.06135	-1.53
				.25621	.06127			
37072	15.977	297.375	16.0778	.54144	.06393	•002	.06388	.36
97071	15.976	295.383	10.1683	.43890	.06360	.002	.06360	62
87070	15.977	295.509	10.2499	.34752	.06377	.002	.06382	40
87069	15.977	294.481	10.3465	.26545	.06410	.004	.06421	80
97058	16.842	297.193	10.5596	.54134	.06577	.002	.06572	.19
37067	16.862	296.208	10.6486	.43902	.06554	.003	.06555	+3
		295.397					.06600	
87066	16.963		10.7234	.34753	.06594	•003		41
97065	16.862	294.547	10.8016	.26661	.06587	.004	.06599	93
R7064	17.928	297.13?	11.0273	.54232	.06725	.004	.06720	54
87063	17.828	296.600	11.1279	.43953		.003	.06523	
					.05820			• 35
P7062	17.826	295.656	11.1577	.34852	.06812	.003	.06817	.00
87061	17.826	294.560	11.2565	.26686	.06818	.002	.06831	35
87060	19.150	296.785	11.6217	.54109	.07056	•002	.07053	.49
87059	19.150	295.865	11.7006	·43868	• 07 049	.001	.07753	02
87058	19.150	295.137	11.7634	.34712	.07028	.003	.07039	64
87057	19.150	294.329	11.3338	.26640	.07079	.004	.07097	29
87055	20.495	296.722	12.1330	.54131	.07314	.002	.07311	.70
97054	20.496	295.868	12.2033	.43885	.07291	.002	.07294	.02
87053	20.494	294.920	12.2811	.34693	.07300	.003	.07314	20
A7055	20.495	294.591	12.3093	.26739	.07383	.005	.07430	
								.71
87052	22.082	297.532	12.5945	.65499	.07555	.301	.97543	.65

07073	22 462				07504			_
87051	22.163	295.653	12.6534	.54164	.07584	.CO1	• 97581	•67
87050	22.081	295.834	12.7269	.43943	.07572	.002	•97578	.18
97049	22.091	294.932	12.7980	.34699	.07554	.002		
							.07580	30
97048	23.925	297.297	13.1204	.55384	.07815	.001	.07805	• 2 <i>e</i>
97047	23.825	294.404	13.1864	.54072	.07845	.002	.07345	• 31
87745	23.825	295.606	13.2459	.43862	.07860	•003	•07869	•18
P7045	23.835	294.810	13.3053	.34685	.07869	• 002	•07389	03
97044	25.827	297.094	13.5438	.65358	.08118	.001	.08109	•17
87043	25.827	295.239	13.7039	.54079	.08138	.001	• 9 81 40	• 08
97042	25.828	295.345	13.7659	.43 63 9	.08156	.002	.08169	05
67041	25.025	294.715						
			13.9112	•34595	.09148	.002	.08169	40
87543	27.922	297.076	14.1118	.65478	.08440	.001	.08431	• 37
97039	27.922	296.236	14.1676	.54169	.08460	.001	.08462	. 29
87033	27.920	295.343	14.2256	.43884	.08464	.001	.08478	•00
5 <b>7</b> 03 <b>7</b>	27.918	294.523	14.2748	.34743	.08482	.002	•03506	07
87036	30.898	296.947	14.6945	-65537	.09850	.001	.08342	
								• 32
P7025	30.807	296.188	14.7415	•5423B	• DR 6 6 5	.001	.08888	• 44
97034	30.895	295,499	14.7843	.43995	. 38.890	.002	.08903	• 2 5
87023	30.897	294.701	14.8344	.34724	.08842	.002	.08366	59
87032	33.731	297.800	15.1175	.79032	.09228	•001	.09207	.74
97031	33.732	295.899	15.1706	.55626	.09224	.001	•09215	• 3 6
87030	33.732	296.055	15.2200	.54235	.09222	.001		
							•09227	•06
87029	33.730	295.437	15.2579	• 43997	•09238	.002	•09253	• 01
87028	37.396	297.911	15.7136	.84379	.09669	.001	.09645	•10
87026								
	37.900	296.286	15.8027	.65475	•09664	.010	•09656	50
87025	37.901	295.979	15.8196	• 54216	.09666	. 001	• 0 9 6 7 2	58
87024	42.138	297.695	16.2492	.84373	.10143	.001	.10122	.01
P7023	42.137	297.491	16.2595	.77961	.10144	.001	.10126	04
97022	42.137	295.370	14.3168	• 55442	.10123	.001	.10123	60
87021	42.137	295.684	16.3518	.54142	•10138	.001	.10149	67
P7020	47.208	297.695	16.7886	. 24349	.10711	.001	.1≎6 89	.39
87019	47.206	297.353	16.8048	.77803	.10742	.001	.10726	• 58
P7018	47.207	295.198	16.8600	.65459	.10645	.001	.10548	68
87017	47.209	295.566	16.8905	.54191	.10675	.001	.10589	59
87013	52.775	297.401	17.3126	.01177	.11121	.001	•11104	85
87014	52.779	296.986	17.3317	.77794	.11220	.001		
							.11210	08
87015	52.778	296.291	17.3629	.65423	•11239	.001	•11241	11
87016	52.790	295.547	17.3965	.54176	.11259	.001	.11273	15
87009	59.630	298.032	17.8277		•11786	.001	•11758	17
87010	59.534	297.282	17.8595	.91234	.11803	.001	•11788	23
37011	59.537	296.557	17.8901	.77838	.11841	.001	.11838	10
0.011	740731							
						.001		•09
87012	59.640	296.134	17.9082	.65379	•11878		•11882	• • •
87012 87005	59.640 57.047	296.134 297.599	18.3511			.001		.19
27005	57.047	297.599	18.3511	1.05504	.1245C	.001	.12429	•19
87005 8 <b>7</b> 007	57.047 67.055	297.599 297.193	18.3511 18.3676	1.055 <sup>0</sup> 4 .91119	•1245C •12482	.001	•12427 •12468	•19 •33
27005	57.047	297.599	18.3511	1.05504	.1245C	.001	.12429	•19
87005 8 <b>7</b> 005 8 <b>7</b> 005	57.047 67.055 67.052	297.599 297.198 295.653	18.3511 18.3676 18.3889	1.05504 .91119 .77827	•12450 •12482 •12521	.001 .001	•12429 •12468 •12516	.19 .33 .51
87005 87007 87005 87001	57.047 67.055 67.052 67.656	297.599 297.198 296.653 296.993	18.3511 18.3676 18.3889 18.4134	1.05504 .91119 .77827 1.04485	•12450 •12482 •12521 •12437	.001 .001 .001	.12427 .12468 .12516 .12426	•19 •33 •51 -•46
87005 87007 P7005 P7001 87008	57.047 57.055 67.052 67.656 57.059	297.599 297.198 296.653 296.993 295.934	18.3511 18.3676 18.3889 19.4134 18.4179	1.055^4 .91119 .77827 1.04485 .65466	.12450 .12482 .12521 .12437 .12537	.001 .001 .001 .001	•12427 •12468 •12516 •12426 •12545	.19 .33 .51 46 .45
87005 87007 87005 87001	57.047 67.055 67.052 67.656	297.599 297.198 296.653 296.993	18.3511 18.3676 18.3889 18.4134	1.05504 .91119 .77827 1.04485	•12450 •12482 •12521 •12437	.001 .001 .001	.12427 .12468 .12516 .12426	•19 •33 •51 -•46
87005 87007 87005 87001 87008 87002	57.047 67.055 67.052 67.656 67.059 67.554	297.599 297.198 296.653 296.993 295.934 296.407	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365	1.05504 .91119 .77827 1.04485 .65466 .90219	.1245C .12482 .12521 .12437 .12537 .12472	.001 .001 .001 .001 .001	•12427 •12468 •12516 •12426 •12545 •12472	.19 .33 .51 46 .45 33
87005 87007 87005 87001 87008 87002 87003	57.047 67.055 67.052 67.656 67.059 57.554 67.650	297.599 297.193 296.653 296.993 295.934 296.407 295.827	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050	.1245C .1248? .12521 .12437 .12537 .12472 .12527	.001 .001 .001 .001 .001	• 12427 • 12468 • 12516 • 12426 • 12545 • 12472 • 12537	.19 .33 .51 46 .45 33 03
87005 87007 87005 87001 87008 87002	57.047 67.055 67.052 67.656 67.059 67.554	297.599 297.198 296.653 296.993 295.934 296.407	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365	1.05504 .91119 .77827 1.04485 .65466 .90219	.1245C .12482 .12521 .12437 .12537 .12472	.001 .001 .001 .001 .001	•12427 •12468 •12516 •12426 •12545 •12472	.19 .33 .51 46 .45 33
87005 87007 87005 87001 87008 87002 87003	57.047 67.055 67.052 67.656 67.059 57.554 67.650	297.599 297.193 296.653 296.993 295.934 296.407 295.827	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050	.1245C .1248? .12521 .12437 .12537 .12472 .12527	.001 .001 .001 .001 .001	• 12427 • 12468 • 12516 • 12426 • 12545 • 12472 • 12537	.19 .33 .51 46 .45 33 03
87005 87007 87005 87001 87008 87002 87003	57.047 67.055 67.052 67.656 67.059 57.554 67.650	297.599 297.193 296.653 296.993 295.934 296.407 295.827	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050	.1245C .12482 .12521 .12437 .12537 .12472 .12527	.001 .001 .001 .001 .001	• 12427 • 12468 • 12516 • 12426 • 12545 • 12472 • 12537 • 12547	.19 .33 .51 46 .45 33 03
87005 87007 87005 87001 87008 87002 87003	57.047 67.055 67.052 67.656 67.059 57.554 67.650	297.599 297.193 296.653 296.993 295.934 296.407 295.827	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050	.1245C .12482 .12521 .12437 .12537 .12472 .12527 .12527	.001 .001 .001 .001 .001	• 12427 • 12468 • 12516 • 12426 • 12545 • 12472 • 12537 • 12547	.19 .33 .51 46 .45 33 03 19
87005 87307 67005 67001 87008 87002 87003 87004	57.047 57.055 67.052 67.656 67.059 57.554 67.550 67.648	297.599 297.103 296.653 296.993 295.934 296.407 295.827 295.218	18.3511 18.3676 18.3889 19.4134 18.4179 18.4365 18.4591 18.4591	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824	.1245C .12482 .12521 .12437 .12537 .12472 .12527 .12527 .12527	.001 .301 .301 .001 .001 .001	• 12427 • 12468 • 12516 • 12426 • 12545 • 12472 • 12537 • 12547 Adjusted Thermal at a Nominal	.19 .33 .51 46 .45 33 03 19
87005 87007 87005 87001 87008 87002 87003	57.047 67.055 67.052 67.656 67.059 57.554 67.650	297.599 297.193 296.653 296.993 295.934 296.407 295.827	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050	.1245C .12482 .12521 .12437 .12537 .12472 .12527 .12527	.001 .001 .001 .001 .001	• 12427 • 12468 • 12516 • 12426 • 12545 • 12472 • 12537 • 12547	.19 .33 .51 46 .45 33 03 19
87005 87307 67005 67001 87008 87002 87003 87004	57.047 57.055 67.052 67.656 67.059 57.554 67.550 67.648	297.599 297.103 296.653 296.993 295.934 296.407 295.827 295.218	18.3511 18.3676 18.3889 19.4134 18.4179 18.4365 18.4591 18.4591	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824	.1245C .12482 .12521 .12437 .12537 .12472 .12527 .12527 .12527	.001 .301 .301 .001 .001 .001	• 12427 • 12468 • 12516 • 12426 • 12545 • 12472 • 12537 • 12547 Adjusted Thermal at a Nominal	.19 .33 .51 46 .45 33 03 19
87005 87307 67005 67001 87008 87002 87003 87004	57.047 67.055 67.052 67.656 67.059 57.554 67.650 67.648	297.599 297.103 296.653 296.993 295.934 296.407 295.827 295.218	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4532	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .64824	.1245C .12482 .12521 .12437 .12537 .12537 .12527 .12527 Experimental Thermal Conductivity	.001 .301 .301 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal	.19 .33 .51 -46 .45330319  Conductivity Deviation from Corelation
87005 87307 97005 97001 87008 87002 87003 97004	57.047 67.055 67.052 67.656 67.059 57.554 67.550 67.648	297.599 297.108 296.653 296.903 295.934 296.407 295.827 295.218	18.3511 18.3676 18.3889 19.4134 18.4179 19.4365 18.4591 18.4591	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824	.1245C .12482 .12521 .12437 .12537 .12472 .12527 .12527 Experimental Thermal Conductivity W/m.K	.001 .301 .301 .301 .301 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation percent
87005 87107 P7005 P7001 87008 87002 87003 97004 Pun Pt.	57.047 67.055 67.052 67.656 67.059 57.554 67.650 67.648	297.599 297.103 296.653 296.993 295.934 296.407 295.827 295.218	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4532	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .64824	.1245C .12482 .12521 .12437 .12537 .12537 .12527 .12527 Experimental Thermal Conductivity	.001 .301 .301 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal	.19 .33 .51 -46 .45330319  Conductivity Deviation from Corelation
87005 87107 P7005 P7001 87008 87002 87003 97004 Pun Pt.	57.047 67.055 67.052 67.656 67.059 57.554 67.550 67.648 Pressure MP8 1.426	297.599 297.103 296.653 296.903 295.934 296.407 295.827 295.218 Temperature K	18.3511 18.3676 18.3889 19.4134 18.4179 18.4365 18.4591 18.4591 18.4832	1.05504 .91119 .77827 1.004485 .65466 .90219 .77050 .54824	.1245C .12482 .12521 .12437 .12537 .12472 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376	.001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation percent05
87005 87107 97005 97001 87008 87002 87003 97004 991 Pt.	57.047 57.055 67.052 67.656 67.059 57.554 67.650 67.648 Pressure MP8 1.426 1.426	297.599 297.103 296.653 296.993 295.934 296.407 295.827 295.218 Temperature K	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4592	1.05574 .91119 .77827 1.04485 .65466 .90219 .77050 .54824	.1245C .12482 .12521 .12437 .12537 .12537 .12527 .12527 Experimental Thermal Conductivity W/m.K .C3376 .03356	.001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K	.19 .33 .5146 .45330319  Conductivity Devision from Corelation percent0534
87005 87307 97005 97001 87008 87002 87003 97004 90151 90151	57.047 67.055 67.052 67.656 67.059 57.554 67.650 67.648 Pressure MP8 1.426 1.426 1.426	297.599 297.103 296.653 296.993 295.934 296.407 295.827 295.218 Temperature K	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4592	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824	.1245C .12482 .12521 .12437 .12537 .12537 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342	.001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation percent053451
97005 87307 77006 77001 87008 87002 87002 87004 90152 90153 90153 90149	57.047 67.055 67.052 67.656 67.059 57.554 67.650 67.648 Pressure MP8 1.426 1.426 1.426 1.426	297.599 297.108 296.653 296.903 295.934 296.407 295.827 295.218 Temperature K	18.3511 18.3676 18.3889 18.4134 18.4179 19.4365 18.4591 18.4832 Density moi/L .5447 .5460 .5471 .5489	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824	.1245C .12482 .12521 .12437 .12537 .12472 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342 .03341	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03341 .03354	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation percent05345113
87005 87307 97005 97001 87008 87002 87003 97004 90151 90151	57.047 67.055 67.052 67.656 67.059 57.554 67.650 67.648 Pressure MP8 1.426 1.426 1.426	297.599 297.103 296.653 296.993 295.934 296.407 295.827 295.218 Temperature K	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4592	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824	.1245C .12482 .12521 .12437 .12537 .12537 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342	.001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation percent053451
87005 87107 P7005 P7001 87008 87009 87003 97004 PUN Pt.	57.047 67.055 67.052 67.656 67.059 57.554 67.648 Pressure MP8 1.426 1.426 1.426 1.426 1.426 2.632	297.599 297.103 296.653 296.903 295.934 296.407 295.827 295.218 Temperature K	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4832 Density #01/L .5447 .5460 .5471 .5489 1.0361	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m·K .03376 .03356 .03342 .03341	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03354 .0345	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation percent0534511388
87005 87107 P7005 P7001 87008 87002 87003 97004 90152 90151 90159 90149 90149	57.047 57.055 67.052 67.656 67.059 57.554 67.650 67.648 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.632	297.599 297.103 296.653 296.903 295.934 296.407 295.821 295.821 325.562 324.661 324.338 323.401 325.265 324.544	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4532 Density moi/L .5447 .5460 .5471 .5489 10.361 1.0390	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824	.1245C .12482 .12521 .12437 .12537 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03356 .03342 .03341 .03460	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03341 .03354 .03445 .03455	.19 .33 .5146 .45330319  Conductivity Devision from Corelation percent053451138861
97005 87307 77005 77001 87008 87002 87003 97004 90151 90151 90149 90149 90147 90147	57.047 67.055 67.052 67.656 67.059 57.554 67.650 67.648 Pressure MPa 1.426 1.426 1.426 1.426 2.632 2.632 2.632	297.599 297.103 296.653 296.993 295.934 296.407 295.827 295.218 Temperature K	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4592 Density mol/L .5447 .5460 .5471 .5489 1.0360 1.0390 1.0413	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342 .03341 .03460 .03460	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03341 .03354 .03455 .03455	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation percent05345113886195
87005 87107 P7005 P7001 87008 87002 87003 97004 90152 90151 90159 90149 90149	57.047 57.055 67.052 67.656 67.059 57.554 67.650 67.648 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.632	297.599 297.103 296.653 296.903 295.934 296.407 295.821 295.821 325.562 324.661 324.338 323.401 325.265 324.544	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4532 Density moi/L .5447 .5460 .5471 .5489 10.361 1.0390	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824	.1245C .12482 .12521 .12437 .12537 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03356 .03342 .03341 .03460	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03341 .03354 .03445 .03455	.19 .33 .5146 .45330319  Conductivity Devision from Corelation percent053451138861
87005 87107 P7005 P7001 87008 87002 87003 P7004 P10 P152 90151 90149 90149 90149 90147 90146	57.047 67.055 67.052 67.656 67.059 57.554 67.650 67.648 Pressure MP8 1.426 1.426 1.426 2.632 2.632 2.633	297.599 297.108 296.653 296.993 295.934 296.407 295.827 295.218 Temperature K 325.562 324.861 324.308 323.401 325.265 324.544 324.094 323.420	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4591 18.4832	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824 Poder W/m .19728 .16631 .13794 .11197 .19723 .16616 .13794 .11207	.1245C .12482 .12521 .12437 .12537 .12472 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03362 .03341 .03461 .03461 .03462 .03442	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03341 .03354 .03455 .03445	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation bercent0534511388619558
90152 90153 90149 90147 90145 90147 90145 90147	57.047 67.055 67.052 67.656 67.059 57.554 67.668 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.632 2.632 2.633 3.697	297.599 297.103 296.653 296.903 295.934 296.407 295.827 295.827 295.818 324.861 324.801 324.801 325.966 324.801 325.966 324.801 325.966 324.801 325.966	18.3511 18.3676 18.3889 18.4134 18.4179 18.4355 18.4591 18.4532 Density moi/L .5447 .5460 .5471 .5460 1.0390 1.0414 1.0440 1.4914	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824 0.4er W/m .19728 .16631 .13794 .11197 .19723 .16616 .13794 .11207 .23139	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03356 .03342 .03341 .03461 .03460 .03462 .03465 .03584	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03341 .03354 .03445 .03445 .03457	.19 .33 .51 -46 .45 -330319  Conductivity Deviation from Corelation percent053451138861955876
87005 87107 67005 87006 87008 87002 87003 87004 90151 90151 90149 90145 90145 90145 90145 90145	57.047 67.055 67.052 67.656 67.059 57.554 67.650 67.648 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.632 2.633 3.697 3.697	297.599 297.103 296.653 296.993 295.934 296.407 295.821  Temperature K  325.562 324.661 324.338 323.401 325.265 324.544 324.094 323.423 325.783 325.191	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4532 Density mol/L .5447 .5460 .5471 .5489 1.0360 1.0491 1.0491 1.4914	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824 ***********************************	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .C3376 .03356 .03356 .03342 .03341 .03460 .03460 .03462 .03461 .03460 .03462 .03584	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03341 .03354 .03455 .03455 .03444 .03457	.19 .33 .5146 .45330319  Conductivity Devistion from Corelation bercent05345113886195587623
90152 90153 90149 90147 90147 90147 90145 90147	57.047 67.055 67.052 67.656 67.059 57.554 67.668 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.632 2.632 2.633 3.697	297.599 297.103 296.653 296.903 295.934 296.407 295.827 295.827 295.818 324.861 324.801 324.801 325.966 324.801 325.966 324.801 325.966 324.801 325.966	18.3511 18.3676 18.3889 18.4134 18.4179 18.4355 18.4591 18.4532 Density moi/L .5447 .5460 .5471 .5460 1.0390 1.0414 1.0440 1.4914	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824 0.4er W/m .19728 .16631 .13794 .11197 .19723 .16616 .13794 .11207 .23139	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03356 .03342 .03341 .03461 .03460 .03462 .03445	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03341 .03354 .03445 .03445 .03457	.19 .33 .51 -46 .45 -330319  Conductivity Deviation from Corelation percent053451138861955876
97005 87307 77005 87307 87008 87002 87003 87004 90151 90151 90149 90149 90145 90145 90145 90145 90145	57.047 67.055 67.052 67.656 67.059 57.554 67.650 67.648 Pressure MPa 1.426 1.426 1.426 1.426 2.632 2.632 2.633 3.697 3.697 3.697	297.599 297.103 296.653 296.993 295.934 296.407 295.821  Temperature  K  325.562 324.661 324.308 323.401 325.265 324.544 324.094 323.420 325.783 325.793 325.793	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4592 18.4592 18.4693 18.4693 18.4691 18.469	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824 .10728 .16631 .13794 .11197 .19723 .16616 .13794 .11207 .23139 .19758 .16631	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342 .03341 .03460 .03460 .03460 .03595 .03564	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03354 .03455 .03455 .03457 .03457	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation percent0534511388619558762379
87005 87307 77005 67001 87008 87002 87003 87004 90153 90153 90154 90149 90149 90149 90149 90149 90145 90145 90143	57.047 67.055 67.0552 67.059 57.554 67.650 67.648 Pressure MP8 1.426 1.426 1.426 2.632 2.632 2.633 3.697 3.697 3.697	297.599 297.103 296.653 296.993 295.934 296.407 295.827 295.218  Temperature K  325.562 324.861 324.308 323.401 325.265 324.544 324.094 323.420 325.783 325.191 324.369 323.719	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 28.4832  Density ####################################	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824 004er W/m .19728 .16631 .13794 .11197 .19723 .16616 .13794 .11207 .23139 .19758 .16631 .13779	.1245C .12482 .12521 .12437 .12537 .12472 .12527 Experimental Thermal Conductivity W/m·K .03376 .03356 .03342 .03341 .03461 .03461 .03462 .03584 .03584 .03584	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03341 .03354 .03455 .03455 .03457 .03561 .03561 .03562 .03562	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation bercent0534511388619558762379 -1.05
90152 90153 90149 90147 90147 90147 90147 90147 90148 90147 90148 90147 90149 90149 90149 90149 90149	57.047 67.055 67.0556 67.059 57.554 67.554 67.568 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.632 2.632 2.633 3.697 3.697 3.697 4.848	297.599 297.103 296.653 296.903 295.934 296.407 295.827 295.827 295.821  Temperature  K  325.562 324.661 324.308 323.401 325.265 324.544 324.094 323.420 325.783 325.191 324.3719 324.774	18.3511 18.3676 18.3889 18.4134 18.4179 18.4332 Density moi/L .5447 .5460 .5471 .5489 1.0390 1.0413 1.04914 1.4951 7.5004 2.0226	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824 Power W/m .10728 .16631 .13794 .11197 .19723 .16616 .13794 .11207 .23139 .19758 .16631	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342 .03341 .03460 .03460 .03460 .03595 .03564	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547 Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03354 .03455 .03455 .03457 .03457	.19 .33 .51 -46 .45 -330319  Conductivity Deviation from Corelation percent 0534511388619558762379 -1.0552
87005 87307 77005 67001 87008 87002 87003 87004 90153 90153 90154 90149 90149 90149 90149 90149 90145 90145 90143	57.047 67.055 67.0556 67.059 57.554 67.554 67.568 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.632 2.632 2.633 3.697 3.697 3.697 4.848	297.599 297.103 296.653 296.903 295.934 296.407 295.827 295.827 295.821  Temperature  K  325.562 324.661 324.308 323.401 325.265 324.544 324.094 323.420 325.783 325.191 324.3719 324.774	18.3511 18.3676 18.3889 18.4134 18.4179 18.4332 Density moi/L .5447 .5460 .5471 .5489 1.0390 1.0413 1.04914 1.4951 7.5004 2.0226	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824 0.4er W/m .19728 .16631 .13794 .11197 .19723 .16616 .13794 .11207 .23139 .19758	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342 .03341 .03461 .03460 .03465 .03584 .03595 .03584 .03595	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K  .03356 .03346 .03341 .03554 .03457 .03457 .03561 .03581 .03562 .03554	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation bercent0534511388619558762379 -1.05
87005 87107 77005 87107 87008 87002 87003 87004 90151 90151 90151 90149 90145 90145 90145 90146 90147 90146 90147 90146 90147	57.047 67.055 67.052 67.059 57.554 67.550 67.648 Pressure MP8 1.426 1.426 1.426 1.426 1.426 2.632 2.632 2.633 3.697 3.697 3.697 3.697 4.848 4.848	297.599 297.103 296.653 296.993 295.934 296.407 295.821  Temperature  K  325.562 324.661 324.338 323.401 325.265 324.544 324.094 323.492 325.783 325.191 324.3469 323.471 324.349	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4532  Density mol/L .5447 .54460 .5471 .5489 1.0361 1.0390 1.0443 1.0440 1.4951 1.5003 1.5044 2.0225	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .19728 .16631 .13794 .11197 .23139 .19758 .16631 .13779	.1245C .12482 .12521 .12437 .12537 .12472 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342 .03341 .03460 .03460 .03462 .03461 .03595 .03564 .03595	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03341 .03354 .03455 .03444 .03457 .03561 .03561 .03562 .03564 .03704 .03669	.19 .33 .5146 .45330319  Conductivity Devistion from Corelation bercent0534511388619558762379 -1.0552 -1.48
97005 87107 77005 87107 87008 87002 87003 87004 90151 90151 90149 90149 90145 90145 90145 90146 90147 90146 90147 90146 90147 90146	57.047 67.055 67.0556 67.059 57.554 67.550 67.648 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.632 2.633 3.697 3.697 3.697 3.697 4.848 4.848 4.848	297.599 297.103 296.653 296.993 295.934 296.407 295.821  Temperature  K  325.562 324.661 324.308 323.401 325.265 324.544 324.094 323.420 325.783 325.783 325.783 325.783 325.783	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4592  Density mol/L  .5447 .54489 1.0340 1.0413 1.0440 1.4914 1.4951 1.5003 1.5044 2.0226 2.0255 2.0318	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824 .10728 .16631 .13794 .11972 .19728 .16631 .13779 .19758 .16631 .13779 .19758 .16639 .19758 .16629 .19758	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m·K .03376 .03356 .03342 .03341 .03460 .03460 .03462 .03595 .03595 .03564 .03596 .03546 .0372 .03672	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03341 .03354 .03455 .03455 .03444 .03457 .03561 .03581 .03562 .03564 .03704 .03669 .03669	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation percent0534511388619558762379 -1.0552 -1.48 -1.00
87005 87107 77005 87107 87008 87002 87003 87004 90151 90151 90151 90149 90145 90145 90145 90146 90147 90146 90147 90146 90147	57.047 67.055 67.0556 67.059 57.554 67.550 67.648 Pressure MP8 1.426 1.426 1.426 1.426 1.426 2.632 2.632 2.632 2.633 3.697 3.697 3.697 4.848 4.848 4.848	297.599 297.108 296.653 296.903 295.934 296.407 295.827 295.218  Temperature  K  325.562 324.861 323.862	18.3511 18.3676 18.3839 18.4134 18.4179 18.4365 18.4591 18.4591 18.46591 18	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .19728 .16631 .13794 .11197 .23139 .19758 .16631 .13779	.1245C .12482 .12521 .12437 .12537 .12472 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342 .03341 .03460 .03460 .03462 .03461 .03595 .03564 .03595	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03341 .03354 .03455 .03455 .03445 .03457 .03561 .03562 .03554 .03704 .03669 .03688 .03681	.19 .33 .5146 .45330319  Conductivity Devistion from Corelation percent 0534511388619558762379 -1.0552 -1.48 -1.00 -1.20
87005 87107 77006 87008 87002 87003 87004 90151 90151 90149 90149 90149 90145 90145 90146 90147 90146 90143 90141 90137 90138	57.047 67.055 67.0556 67.059 57.554 67.550 67.648 Pressure MP8 1.426 1.426 1.426 1.426 1.426 2.632 2.632 2.632 2.633 3.697 3.697 3.697 4.848 4.848 4.848	297.599 297.108 296.653 296.903 295.934 296.407 295.827 295.218  Temperature  K  325.562 324.861 323.862	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4592  Density mol/L  .5447 .54489 1.0340 1.0413 1.0440 1.4914 1.4951 1.5003 1.5044 2.0226 2.0255 2.0318	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  ***Double of the color o	.1245C .12482 .12521 .12437 .12537 .12527 .1	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03341 .03354 .03455 .03455 .03445 .03457 .03561 .03562 .03554 .03704 .03669 .03688 .03681	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation percent0534511388619558762379 -1.0552 -1.48 -1.00
90152 90151 90149 90147 90149 90147 90149 90149 90149 90149 90149 90149 90149 90149 90149 90149 90149 90149 90149 90149 90149 90149 90149 90149	57.047 67.0556 67.0556 67.0556 67.0559 57.554 67.5548 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.633 3.697 3.697 3.697 4.848 4.848 4.848 4.848 5.874	297.599 297.103 296.653 296.993 295.934 296.407 295.821 8 325.862 324.661 324.308 323.401 325.266 324.544 324.094 323.420 325.783 325.783 325.783 325.783 325.783 325.783 325.783 325.783	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4591 18.4591 18.4932  Density moi/L .5447 .5489 1.0361 1.0390 1.0413 1.0440 1.4951 1.5004 2.0255 2.0318 2.0331 2.5034	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .19728 .16631 .13794 .11197 .19723 .16616 .13794 .11207 .23139 .19758 .16631 .13779 .19754 .16629 .13822	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03360 .03461 .03460 .03461 .03460 .03595 .03584 .03595 .03584 .03595 .03584 .03595 .03586 .03711 .03672 .03672 .03856	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K  .03356 .03346 .03341 .03562 .03445 .03457 .03561 .03561 .03562 .03554 .03704 .03669 .03689 .03681 .03691	.19 .33 .5146 .45330319  Conductivity Devision from Corelation percent 0534511388619558762379 -1.0552 -1.48 -1.00 -1.2043
87005 87107 77005 87107 87008 87002 87003 87004 90151 90151 90151 90149 90145 90145 90145 90146 90147 90146 90143 90142 90141 90143 90143 90143 90143	57.047 67.0556 67.0556 67.0559 57.554 67.656 67.658  Pressure MP8  1.426 1.426 1.426 1.426 1.426 2.632 2.632 2.633 3.697 3.697 3.697 3.697 4.848 4.848 4.848 4.848	297.599 297.103 296.653 296.993 295.934 296.407 295.821 8 325.862 324.661 324.338 323.401 325.265 324.564 324.564 324.564 324.769 325.763 325.101 324.369 325.763 323.763 323.763 323.763 323.763 323.763 323.763 323.763	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4532  Density mol/L .5447 .5460 .5471 .5489 1.0361 1.0440 1.4951 1.6003 1.5044 2.0225 2.0255 2.0318 2.0318 2.5111	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .64824  0.48F W/m .19728 .16631 .13794 .11197 .19758 .16631 .13779 .19758 .16629 .13804 .25787 .23138	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342 .03341 .03460 .03462 .03461 .03460 .03464 .03595 .03564 .03595 .03564 .03595 .03711 .03672 .03681 .03672	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03341 .03354 .03455 .03444 .03457 .03561 .03561 .03562 .03564 .03704 .03669 .03688 .03681 .03633	.19 .33 .51 -46 .45 -33 -03 -19  Conductivity Devision from Corelation bercent 0534511388619558762379 -1.0552 -1.48 -1.00 -1.204343
87005 87107 PT0C5 PT0C18 87008 87002 87003 87004 P0152 90151 90149 90149 90147 90145 90144 90147 90145 90141 90142 90143 90141 90143 90141 90143 90140 90149 90149	57.047 67.0556 67.0556 67.0556 67.0559 57.554 67.5548 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.633 3.697 3.697 3.697 4.848 4.848 4.848 4.848 5.874	297.599 297.103 296.653 296.993 295.934 296.407 295.821 8 325.862 324.661 324.308 323.401 325.266 324.544 324.094 323.420 325.783 325.783 325.783 325.783 325.783 325.783 325.783 325.783	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4591 18.4591 18.4932  Density moi/L .5447 .5489 1.0361 1.0390 1.0413 1.0440 1.4951 1.5004 2.0255 2.0318 2.0331 2.5034	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .19728 .16631 .13794 .11197 .19723 .16616 .13794 .11207 .23139 .19758 .16631 .13779 .19754 .16629 .13822	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03360 .03461 .03460 .03461 .03460 .03595 .03584 .03595 .03584 .03595 .03584 .03595 .03586 .03711 .03672 .03672 .03856	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03341 .03354 .03455 .03445 .03457 .03561 .03581 .03562 .03584 .03564 .03704 .03669 .03688 .03691 .03933 .03835 .03820	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation bercent0534511388619558762379 -1.0552 -1.48 -1.00 -1.204389
97005 87107 77065 77061 87008 87002 87003 97004 90151 90151 90151 90149 90149 90145 90144 90145 90144 90145 90146 90147 90146 90147 90146 90147 90148 90149 90137 90137 90138	57.047 67.0556 67.0556 67.0556 67.0554 67.5540 67.5540 67.548 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.633 2.633 3.697 3.697 3.697 3.697 3.697 4.848 4.848 4.848 4.848 5.876 5.876	297.599 297.103 296.653 296.993 295.934 296.407 295.218  Temperature  K  325.562 324.661 324.308 323.401 325.265 324.5454 324.694 323.420 325.783 325.783 325.783 325.783 325.783 324.763 323.763 323.622 325.807	18.3511 18.3671 18.3671 18.3671 18.4134 18.4179 18.4365 18.4532  Density mol/L .5447 .54489 1.0360 1.0413 1.0440 1.4914 1.4951 1.5003 1.5044 2.0226 2.0255 2.0318 2.0331 2.5034	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .10728 .16631 .13794 .11207 .23139 .19758 .16631 .13779 .19758 .16629 .13804 .25787 .23138	.1245C .12482 .12521 .12437 .12537 .12472 .12527 .12527 Experimental Thermal Conductivity W/m·K .03376 .03356 .03342 .03341 .03460 .03460 .03460 .03595 .03564 .03596 .03596 .03596 .03596 .03672 .03672 .03672 .03672 .03849 .03849	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03341 .03354 .03455 .03445 .03457 .03561 .03581 .03562 .03584 .03562 .03584 .03669 .03688 .03681 .03933 .03835 .03835	.19 .33 .5146 .45330319  Conductivity Deviation from Corelation bercent0534511388619558762379 -1.0552 -1.48 -1.00 -1.204389
97005 87707 77005 77006 87009 87009 97009 97009 97009 90151 90151 90151 90149 90149 90144 90144 90143 90141 90139 90137 90138 90136 90137	57.047 67.0556 67.0556 67.0559 57.0554 67.0550 67.0548 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.632 2.633 3.697 3.697 3.697 4.848 4.848 4.848 5.876 5.876 5.876	297.599 297.108 296.653 296.993 295.934 296.407 295.218  Temperature  K  325.562 324.861 324.308 323.401 325.265 324.544 324.094 323.420 325.783 325.191 324.308 323.719 324.734 324.423 323.719 324.734 324.820	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4591 18.4691 18.4932  Density #01/L  .5447 .5489 1.0361 1.0340 1.0410 1.4914 1.4951 1.5044 2.0226 2.0255 2.0318 2.5034 2.5119 2.5287	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .19728 .16631 .13794 .11207 .23139 .19758 .16616 .13774 .16629 .13622 .13622 .13624 .25787 .23138 .16519	.1245C .12482 .12521 .12437 .12537 .12527 .1	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K  .03356 .03346 .03341 .03354 .03445 .03455 .03445 .03457 .03561 .03581 .03562 .03554 .03704 .03689 .03689 .03681 .03933 .03835 .03820 .03820	.19 .33 .51 -46 .45 -330319  Conductivity Deviation from Corelation percent 0534511388619556762379 -1.0552 -1.48 -1.00 -1.2043438984
87005 87107 PT0C5 PT0C18 87008 87002 87003 87004 PT0 90151 90151 90149 90147 90145 90144 90143 90142 90141 90143 90143 90140 90140 90140 90140 90143 90140 90143 90140 90143 90140 90143 90140 90143 90140 90130 90140 9	57.047 67.0556 67.0556 67.0556 67.0559 57.554 67.5548 Pressure MP8 1.426 1.427 1.426 1.426 1.426 1.426 1.426 1.426 1.426 1.426 1.427 1.426 1.4	297.599 297.103 296.657 296.993 295.934 296.407 295.821 8 325.562 324.661 324.308 323.401 325.265 324.544 324.094 323.420 325.783 325.783 325.783 325.783 325.783 325.783 325.783 325.783	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4591 18.4591 18.4932  Density moi/L .5447 .5460 .5471 .5489 1.0361 1.0390 1.0413 1.0440 1.4951 1.6003 1.5044 2.0255 2.0318 2.0318 2.0318 2.5034 2.5111 2.5109 2.5287 2.9673	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .19728 .16631 .13794 .11197 .19723 .16616 .13794 .11207 .23139 .19754 .16629 .13622 .13804 .25787 .23138 .19752 .16619	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342 .03461 .03460 .03462 .03461 .03595 .03584 .03595 .03584 .03595 .03584 .03595 .03584 .03711 .03672 .03672 .03672 .03856 .03856 .03856	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K  .03356 .03346 .03341 .03354 .03445 .03455 .03444 .03457 .03561 .03561 .03561 .03562 .03554 .03704 .03669 .03688 .03689 .03688 .03681 .03933 .03835 .03820 .03824 .03959	.19 .33 .51 -46 .45 -33 -03 -19  Conductivity Devision from Corelation percent 0534511388619558752379 -1.0552 -1.48 -1.00 -1.204389898446
87005 87107 PT0C5 PT0C18 87008 87002 87003 87004 90151 90151 90151 90149 90145 90145 90146 90146 90147 90146 90147 90148 90143 90149 90133 90133 90133 90133 90131	57.047 67.0556 67.0556 67.0556 67.0554 67.5548 Pressure MP8 1.426 1.42	297.599 297.103 296.653 296.993 295.934 296.407 295.821 8 225.562 324.661 324.338 323.401 325.265 324.544 324.694 323.423 325.783 325.191 324.369 323.763 323.763 323.763 323.622 325.807 325.107 324.507 325.669 325.669	18.3511 18.3676 18.3689 18.4134 18.4179 18.4365 18.4532  Density mol/L .5447 .54460 .5471 .5489 1.0361 1.0440 1.4951 1.5003 1.5044 2.0255 2.0318 2.0331 2.5199 2.5287 2.9782	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .19728 .16631 .13794 .11207 .23139 .19758 .16616 .13774 .16629 .13622 .13622 .13624 .25787 .23138 .16519	.1245C .12482 .12521 .12437 .12537 .12527 .1	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03346 .03345 .03455 .03444 .03457 .03561 .03561 .03562 .03564 .03704 .03669 .03688 .03681 .03689 .03688 .03681 .03704 .03689	.19 .33 .5146 .45330319  Conductivity Devision from Corelation bercent0534511388619558762379 -1.0552 -1.48 -1.00 -1.20434389844621
87005 87107 PT0C5 PT0C18 87008 87002 87003 87004 90151 90151 90151 90149 90145 90145 90146 90146 90147 90146 90147 90148 90143 90149 90133 90133 90133 90133 90131	57.047 67.0556 67.0556 67.0556 67.0554 67.5548 Pressure MP8 1.426 1.42	297.599 297.103 296.653 296.993 295.934 296.407 295.821 8 225.562 324.661 324.338 323.401 325.265 324.544 324.694 323.423 325.783 325.191 324.369 323.763 323.763 323.763 323.622 325.807 325.107 324.507 325.669 325.669	18.3511 18.3676 18.3689 18.4134 18.4179 18.4365 18.4532  Density mol/L .5447 .54460 .5471 .5489 1.0361 1.0440 1.4951 1.5003 1.5044 2.0255 2.0318 2.0331 2.5199 2.5287 2.9782	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .64824  0.48F W/m .19728 .16631 .13794 .11197 .19753 .16616 .13794 .11207 .23139 .19758 .16631 .13779 .19758 .16629 .13804 .25787 .23138 .19752 .16619 .26792 .23140	.1245C .12482 .12521 .12437 .12537 .12537 .12527 .12527 Experimental Thermal Conductivity W/m·K .03376 .03356 .03342 .03341 .03460 .03462 .03461 .03460 .03460 .03461 .03595 .03595 .03564 .03595 .03564 .03595 .03564 .03595 .03564 .03595 .03564 .03595 .03564 .03595 .03642 .03672 .03672 .03672 .03672 .03856 .03824 .03979 .03979	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K .03356 .03346 .03346 .03345 .03455 .03444 .03457 .03561 .03561 .03562 .03564 .03704 .03669 .03688 .03681 .03689 .03688 .03681 .03704 .03689	.19 .33 .51 -46 .45 -33 -03 -19  Conductivity Devision from Corelation percent 0534511388619558752379 -1.0552 -1.48 -1.00 -1.204389898446
87005 87107 PTC(5 PTC(5 PTCC1 87008 87002 87004 90151 90151 90151 90149 90145 90145 90145 90146 90147 90146 90147 90146 90147 90146 90147 90148 90141 90137 90138 90131 90138 90138 90131 90138 90131 90131 90131 90131 90131	57.047 67.0552 67.0556 67.0556 67.0554 67.5540 67.5540 67.548 Pressure MP8 1.4266 1.426 1.4262 2.6337 3.6597 3.6597 3.6597 3.6597 3.6597 4.848 4.848 4.848 4.848 6.801 6.801 6.801	297.599 297.103 296.653 296.993 295.934 296.407 295.821  Temperature  8 325.562 324.661 324.308 323.401 325.265 324.544 324.094 323.420 325.719 324.763 323.763	18.3511 18.3671 18.3671 18.3671 18.4389 18.4134 18.4179 18.4365 18.4591 18.4592  Density mol/L  .5447 .5489 1.0360 1.0413 1.0440 1.4911 1.5003 1.5044 2.0226 2.0255 2.0318 2.0331 2.5131 2.5199 2.5287 2.9867	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  .10728 .16631 .13794 .11207 .23139 .19758 .16631 .13779 .19758 .16629 .13804 .25787 .23138 .19752 .16619 .26792 .23140	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m·K .03376 .03356 .03342 .03341 .03460 .03460 .03462 .03465 .03595 .03564 .03596 .03596 .03596 .03596 .03672 .03672 .03672 .03849 .03849 .03849 .03979 .03990 .03990	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K  .03356 .03346 .03341 .03354 .03455 .03455 .03457 .03561 .03581 .03581 .03562 .03554 .03704 .03689 .03689 .03689 .03689 .03681 .03933 .03835 .03820 .03824 .03959 .03988 .03958	.19 .33 .51 -46 .45 -330319  Conductivity Devistion from Corelation percent 0534511388619558762379 -1.0552 -1.48 -1.00 -1.204343898446 .2162
97005 87707 77005 87707 87008 87009 87009 97009 97009 97009 90151 90151 90151 90151 90149 90147 90145 90144 90147 90146 90147 90148 90149	57.047 67.0556 67.0556 67.0556 67.0559 57.5540 67.5540 67.5648 Pressure MP8 1.4266	297.599 297.103 296.653 296.934 296.407 295.827 295.818  Temperature  K  325.562 324.861 324.308 323.401 325.265 324.544 323.420 325.783 325.191 324.362 323.719 324.734 324.423 323.719 324.734 324.423 323.719 324.734 324.423 323.719 324.734 324.423 323.719 324.734 324.423 323.719 324.734 324.423 323.719 324.734 324.423 323.719 324.734 324.423 323.719 324.734 324.423 323.719 324.734 324.423 323.719 324.734 324.423 323.719 324.734 324.423	18.3511 18.3676 18.3889 18.4134 18.4179 18.4332  Density moi/L .5447 .5460 .5471 .5489 1.0390 1.0413 1.0440 1.4914 1.4951 1.5044 2.0226 2.0255 2.0318 2.5034 2.5111 2.5199 2.5287 2.99673 2.99673	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .19728 .16631 .13794 .11207 .23139 .19758 .16616 .13774 .16629 .13624 .25787 .23138 .19752 .16619 .26792 .23140 .19751 .16619	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03356 .03341 .03461 .03460 .03445 .03595 .03584 .03595 .03586 .03711 .03672 .03672 .03672 .03856 .03819 .03879 .03824 .03979 .03991 .03962	.001 .001 .001 .001 .001 .001 .001 .002 .002	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K  .03356 .03346 .03341 .03354 .03445 .03455 .03445 .03457 .03561 .03581 .03562 .03554 .03704 .03669 .03688 .03681 .03933 .03820 .03824 .03959 .03988 .03958	.19 .33 .51 -46 .45 -330319  Conductivity Devistion from Corelation percent 0534511388619556762379 -1.0552 -1.48 -1.00 -1.204343898446 .216244
87005 87107 PTC(5 PTC(5 PTCC1 87008 87002 87004 90151 90151 90151 90149 90145 90145 90145 90146 90147 90146 90147 90146 90147 90146 90147 90148 90141 90137 90138 90131 90138 90138 90131 90138 90131 90131 90131 90131 90131	57.047 67.0552 67.0556 67.0556 67.0554 67.5540 67.5540 67.548 Pressure MP8 1.4266 1.426 1.4262 2.6337 3.6597 3.6597 3.6597 3.6597 3.6597 4.848 4.848 4.848 4.848 6.801 6.801 6.801	297.599 297.103 296.653 296.993 295.934 296.407 295.821  Temperature  8 325.562 324.661 324.308 323.401 325.265 324.544 324.094 323.420 325.719 324.763 323.763	18.3511 18.3671 18.3671 18.3671 18.4389 18.4134 18.4179 18.4365 18.4591 18.4592  Density mol/L  .5447 .5489 1.0360 1.0413 1.0440 1.4911 1.5003 1.5044 2.0226 2.0255 2.0318 2.0331 2.5131 2.5199 2.5287 2.9867	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  .10728 .16631 .13794 .11207 .23139 .19758 .16631 .13779 .19758 .16629 .13804 .25787 .23138 .19752 .16619 .26792 .23140	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m·K .03376 .03356 .03342 .03341 .03460 .03460 .03462 .03465 .03595 .03564 .03596 .03596 .03596 .03596 .03672 .03672 .03672 .03849 .03849 .03849 .03979 .03990 .03990	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K  .03356 .03346 .03341 .03354 .03455 .03455 .03457 .03561 .03581 .03581 .03562 .03554 .03704 .03689 .03689 .03689 .03689 .03681 .03933 .03835 .03820 .03824 .03959 .03988 .03958	.19 .33 .51 -46 .45 -33 -03 -019  Conductivity Devision from Corelation percent05345113886195587558752379 -1.0552 -1.48 -1.00 -1.20 -1.4343898446 .21624449
87005 87107 PT0C5 PT0C18 87008 87002 87003 87004 90151 90151 90151 90149 90147 90146 90147 90146 90147 90146 90147 90148 90141 90143 90141 90143 90141 90143 90149 90137 90140 90137 90140 90137 90140 90137 90138 90131 90132 90131 90132 90131 90132 90132	57.047 67.0556 67.0556 67.0556 67.0554 67.554 67.554 67.5648 Pressure MP8 1.426 1.426 1.426 1.426 2.6332 2.6333 3.6997 3.6997 4.8448 4.848 4.848 5.876 5.877 5.876 5.876 5.876 5.877 5.876 5.876 5.876 5.877 5.876 5.877 5.876 5.876 5.877 5.876 5.877 5.876 5.877 5.876 5.877 5.876 5.877 5.876 5.877 5.876 5.877 5.876 5.877 5.876 5.877 5.876 5.877 5.877 5.876 5.877 5.876 5.877 5.876 5.877 5.876 5.877 5.876 5.877 5.876 5.877 5.877 5.876 5.877 5.876 5.877 5.876 5.877 5.877 5.876 5.877 5.876 5.877 5.87	297.599 297.103 296.657 296.903 296.903 295.934 296.407 295.821 8 325.862 324.661 324.308 323.401 325.265 324.544 324.094 323.401 325.783 325.783 325.783 325.783 325.783 325.783 325.783 325.783 325.783 325.783 325.783 325.783 325.783	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4591 18.4592  Density mol/L .5447 .5460 .5471 .5489 1.0361 1.0390 1.0413 1.0490 1.4951 1.5004 2.0255 2.0318 2.0331 2.5109 2.5287 2.9782 2.9867 2.9782 2.9867 2.9976 3.4811	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .19728 .16631 .13794 .11197 .23139 .19754 .16629 .13622 .13804 .25787 .23138 .19752 .16619 .26792 .23140 .19751	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342 .03461 .03460 .03462 .03461 .03460 .03595 .03584 .03595 .03584 .03595 .03584 .03595 .03584 .03595 .03672 .03672 .03672 .03856	.001 .001 .001 .001 .001 .001 .001 .002 .002	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K  .03356 .03346 .03341 .03354 .03455 .03445 .03455 .03446 .03561 .03561 .03561 .03562 .03554 .03704 .03669 .03688 .03689 .03688 .03689 .03688 .03699 .03835 .03820 .03835 .03820 .03824 .03959 .03968 .03968	.19 .33 .51 -46 .45 -33 -03 -019  Conductivity Devision from Corelation percent05345113886195587558752379 -1.0552 -1.48 -1.00 -1.20 -1.4343898446 .21624449
87005 87107 PT0C5 PT0C18 87008 87002 87003 87004 90151 90151 90151 90149 90145 90145 90146 90146 90146 90147 90146 90147 90148 90149 90137 90138 90138 90138 90138 90138 90138 90139 90129 90128 90128	57.047 67.0556 67.0556 67.0556 67.0554 67.5540 67.5648 Pressure MP8 1.426 1.	297.599 297.103 296.653 296.993 295.934 296.407 295.818  Temperature  K  225.562 324.661 324.308 323.401 325.265 324.564 324.994 323.423 325.783 325.191 324.369 323.423 325.783 325.191 324.369 323.763 323.623 325.807 325.107 324.813 324.881 323.813 324.881	18.3511 18.3671 18.3671 18.3671 18.3689 18.4134 18.4179 18.4365 18.4591 18.4592  Density mol/L .5447 .54460 .54471 .5489 1.0340 1.0440 1.4951 1.5003 1.5044 2.0255 2.0318 2.0331 2.5199 2.5287 2.9782 2.9787 2.9787 2.9787 2.9787 2.9787	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .64824  0.46F W/m .19728 .16631 .13794 .11197 .19753 .16616 .13794 .11207 .23139 .19758 .16631 .13779 .19758 .16629 .13804 .25787 .23138 .19752 .16616 .23140 .19751 .16641	.1245C .12482 .12521 .12437 .12537 .12537 .12527 .12527 Experimental Thermal Conductivity W/m·K .03376 .03356 .03356 .03342 .03341 .03461 .03460 .03462 .03461 .03595 .03595 .035964 .03595 .035964 .03595 .03681 .03672 .03681 .03672 .03681 .03672 .03856 .03824 .03818 .03979 .03979 .03961 .03979 .03962 .04113 .04133	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K  W/m.K  .03356 .03346 .03346 .03345 .03455 .03455 .03456 .03456 .03561 .03561 .03562 .03554 .03704 .03669 .03688 .03681 .03704 .03689 .03688 .03681 .03704 .03699 .03688 .03704 .03704 .03669 .03688 .03704 .03704 .03669 .03688 .03704 .03704 .03669 .03688 .03704	.19 .33 .5146 .45330319  Conductivity Devision from Corelation bercent 0534511388619558755875521481.001.20438984462162444913
87005 87107 PTC(5 PTC(5 PTCC1 87008 87002 87004 90151 90151 90151 90149 90149 90145 90144 90145 90144 90145 90146 90147 90146 90147 90148 90149 90138 90138 90138 90138 90138 90139 90129 90128 90127 90126	57.047 67.0556 67.0556 67.656 67.656 67.554 67.554 67.648 Pressure MP8 1.426 1.426 1.426 1.426 2.632 2.633 3.697 3.697 3.697 4.848 4.848 4.848 4.848 6.801	297.599 297.108 296.653 296.934 296.407 295.827 295.218  Temperature  8 325.562 324.861 324.861 324.3401 325.265 324.544 324.094 323.420 325.783 325.191 324.734 324.734 323.710	18.3511 18.3676 18.3839 18.4134 18.4179 18.4365 18.4591 18.4591 18.4691 18.4932  Density moi/L .5447 .54460 .6471 .5489 1.0361 1.0340 1.0410 1.4914 1.5071	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  Power W/m .19728 .16631 .13794 .11207 .23139 .19758 .16631 .13779 .19754 .16629 .13804 .25787 .23138 .19759 .16619 .26792 .216619 .26792 .27140 .19751 .16641 .23163 .19751	.1245C .12482 .12521 .12437 .12537 .12472 .12527 .12527 .12527 .12527 Experimental Thermal Conductivity W/m·K .03376 .03356 .03341 .03461 .03460 .03445 .03595 .03584 .03596 .03596 .03596 .03596 .03596 .03596 .03596 .03596 .03596 .03596 .03672 .03826 .038	.001 .001 .001 .001 .001 .001 .001 .002 .002	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K  .03356 .03346 .03341 .03354 .03455 .03445 .03457 .03561 .03561 .03562 .03554 .03704 .03689 .03689 .03681 .03933 .03835 .03820 .03824 .03959 .03988 .03958 .03968 .04104 .04134	.19 .33 .51 -46 .45 -330319  Conductivity Devistion from Corelation percent 0534511388619558762379 -1.0552 -1.48 -1.00 -1.20434343898446 .21624449 .13 .16
87005 87107 77005 87107 77006 87002 87002 87003 87004 90151 90151 90151 90149 90146 90147 90146 90147 90146 90147 90146 90147 90148 90141 90133 90133 90133 90131 90133 90131 90129 90128 90127	57.047 67.0556 67.0556 67.0556 67.0554 67.5540 67.5648 Pressure MP8 1.426 1.	297.599 297.103 296.653 296.993 295.934 296.407 295.818  Temperature  K  225.562 324.661 324.308 323.401 325.265 324.564 324.994 323.423 325.783 325.191 324.369 323.423 325.783 325.191 324.369 323.763 323.623 325.807 325.107 324.813 324.881 323.813 324.881	18.3511 18.3671 18.3671 18.3689 18.4134 18.4179 18.4365 18.4532  Density mol/L .5447 .54460 .54471 .5489 1.0340 1.0440 1.4951 1.5003 1.5044 2.0255 2.0318 2.0331 2.5199 2.5287 2.9782 2.9787 2.9787 2.9787 2.9787 2.9787	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .64824  0.48F W/m .19728 .16631 .13794 .11197 .19753 .16616 .13794 .11207 .23139 .19758 .16631 .13779 .19758 .16629 .13804 .25787 .23138 .19752 .16616 .23140 .19751 .16641	.1245C .12482 .12521 .12437 .12537 .12537 .12527 .12527 Experimental Thermal Conductivity W/m·K .03376 .03356 .03356 .03342 .03341 .03461 .03460 .03462 .03461 .03595 .03595 .035964 .03595 .035964 .03595 .03681 .03672 .03681 .03672 .03681 .03672 .03856 .03824 .03818 .03979 .03979 .03961 .03979 .03962 .04113 .04133	.001 .001 .001 .001 .001 .001 .001 .001	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K  W/m.K  .03356 .03346 .03346 .03345 .03455 .03455 .03456 .03456 .03561 .03561 .03562 .03554 .03704 .03669 .03688 .03681 .03704 .03689 .03688 .03681 .03704 .03699 .03688 .03704 .03704 .03669 .03688 .03704 .03704 .03669 .03688 .03704 .03704 .03669 .03688 .03704	.19 .33 .5146 .45330319  Conductivity Devision from Corelation percent 0534511388619558762379 -1.0552 -1.48 -1.00 -1.204343898446 .21624449 .13 .1073
87005 87107 PT0C5 PT0C1 87008 87009 87009 87009 97009 97009 90151 90151 90151 90149 90147 90146 90147 90146 90147 90149 90139 90139 90139 90129 90128 90128 90128 90128 90128 90128 90129 90128	57.0556 67.0556 67.0556 67.0556 67.0556 67.0554 67.554 67.554 67.554 8	297.599 297.103 296.653 296.934 296.407 295.821  Temperature  X  325.562 324.661 324.308 323.401 325.265 324.544 323.401 325.783 324.784 324.784 324.784 324.784 324.784 324.784 324.784 324.784 324.784	18.3511 18.3676 18.3889 18.4134 18.4179 18.4332  Density mol/L .5447 .5460 .5471 .0380 1.0413 1.0413 1.0440 1.4914 1.4951 1.50031 2.0226 2.0255 2.0318 2.5034 2.5111 2.5199 2.5287 2.9673 2.9782 2.98673 2.99767 3.4811 3.4940 3.55115	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .19728 .16631 .13794 .11197 .19723 .16616 .13794 .11207 .23139 .19754 .16629 .13622 .13804 .25787 .23138 .19754 .16619 .26792 .23140 .19751 .16641 .23163 .19756 .16650 .13793	.1245C .12482 .12521 .12437 .12537 .12527 .1	.001 .001 .001 .001 .001 .001 .001 .002 .002	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K  .03356 .03346 .03341 .03562 .03455 .03444 .03457 .03561 .03561 .03581 .03562 .03554 .03704 .03669 .03688 .03689 .03681 .03933 .03825 .03820 .03824 .03959 .03988 .03958 .03968 .04104 .04136 .04136	.19 .33 .5146 .45330319  Conductivity Devision from Corelation percent 0534511388619558762379 -1.0552 -1.48 -1.00 -1.204343898446 .21624449 .13 .1073
87005 87107 P7005 87107 P7006 87008 87009 87009 87009 90151 90151 90151 90149 90145 90146 90147 90146 90147 90146 90147 90148 90141 90143 90141 90137 90130 90137 90136 90137 90136 90137 90138 90137 90138 90137 90128 90127 90128 90127	57.047 67.0556 67.0556 67.0556 67.0559 57.5540 67.5540 67.5648 Pressure MP8 1.4266 1.427 1.426 1.426 1.426 1.426 1.426 1.426 1.426 1.426 1.427 1.426	297.599 297.103 296.657 296.993 296.993 296.993 295.934 296.407 295.819 325.862 324.661 324.338 323.401 325.265 324.544 324.094 323.403 325.783 323.783 323.783 323.783 323.783	18.3511 18.3676 18.3889 18.4134 18.4179 18.4365 18.4532  Density mol/L .5447 .5460 .5471 .5489 1.0361 1.0390 1.0413 1.0440 1.4951 1.5004 2.0255 2.0318 2.0331 2.5109 2.5287 2.9782 2.9782 2.9782 2.9782 2.9782 2.9787 3.5074	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .19728 .16631 .13794 .11197 .19723 .16616 .13794 .11207 .23139 .19759 .16629 .13622 .13804 .25787 .23138 .19759 .16619 .26792 .23140 .19751 .16641 .23163 .19756 .16631 .23767 .23138 .19756 .16639 .23140 .19751 .16641 .23163 .19756 .16792 .23140 .19751 .16641 .23163 .19766 .165793 .23208	.1245C .12482 .12521 .12437 .12537 .12527 .12527 .12527 Experimental Thermal Conductivity W/m.K .03376 .03356 .03342 .03441 .03460 .03461 .03460 .03464 .03595 .03564 .03595 .03564 .03595 .03672 .03672 .03681 .03672 .03681 .03672 .03681 .03672 .03856 .03871 .03672 .03681 .03979 .03962 .03979 .03962 .04113 .04133 .04127 .04091 .04293	.001 .001 .001 .001 .001 .001 .001 .002 .002	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K  .03356 .03346 .03346 .03347 .03551 .03561 .03561 .03561 .03562 .03554 .03448 .03457 .03561 .03581 .03562 .03554 .03704 .03689 .03959 .03988 .03959 .03968 .03959 .03968 .03968 .04104 .04134 .04136 .04103 .04281	.19 .33 .51 -46 .45 -33 -03 -019  Conductivity Devision from Corelation percent 0534511388619558752379 -1.0552 -1.48 -1.00 -1.2043898446 .21624449 .13 .1073 .25
87005 87107 PT0C5 PT0C1 87008 87009 87009 87009 97009 97009 90151 90151 90151 90149 90147 90146 90147 90146 90147 90149 90139 90139 90139 90129 90128 90128 90128 90128 90128 90128 90129 90128	57.0556 67.0556 67.0556 67.0556 67.0556 67.0554 67.554 67.554 67.554 8	297.599 297.103 296.653 296.934 296.407 295.821  Temperature  X  325.562 324.661 324.308 323.401 325.265 324.544 323.401 325.783 324.784 324.784 324.784 324.784 324.784 324.784 324.784 324.784 324.784	18.3511 18.3676 18.3889 18.4134 18.4179 18.4332  Density mol/L .5447 .5460 .5471 .0380 1.0413 1.0413 1.0440 1.4914 1.4951 1.50031 2.0226 2.0255 2.0318 2.5034 2.5111 2.5199 2.5287 2.9673 2.9782 2.98673 2.99767 3.4811 3.4940 3.55115	1.05504 .91119 .77827 1.04485 .65466 .90219 .77050 .54824  0.4er W/m .19728 .16631 .13794 .11197 .19723 .16616 .13794 .11207 .23139 .19754 .16629 .13622 .13804 .25787 .23138 .19754 .16619 .26792 .23140 .19751 .16641 .23163 .19756 .16650 .13793	.1245C .12482 .12521 .12437 .12537 .12527 .1	.001 .001 .001 .001 .001 .001 .001 .002 .002	.12427 .12468 .12516 .12426 .12545 .12472 .12537 .12547  Adjusted Thermal at a Nominal Temperature of 324.2K W/m.K  .03356 .03346 .03341 .03562 .03455 .03444 .03457 .03561 .03561 .03581 .03562 .03554 .03704 .03669 .03688 .03689 .03681 .03933 .03825 .03820 .03824 .03959 .03988 .03958 .03968 .04104 .04136 .04136	.19 .33 .5146 .45330319  Conductivity Devision from Corelation percent 0534511388619558762379 -1.0552 -1.48 -1.00 -1.204343898446 .21624449 .13 .1073

90122	8.659	323.992	3.9961	.16737	.04280	.009	.04283	.09
	8.669	323.168	4.0168	.13909	.04245	.003	.04259	62
90121								
90120	9.425	325.603	4.3735	.30752	.04435	•002	.04418	. 45
90119	9.425	325.045	4.3894	.26812	.04414	.004	.04404	.02
99118	9.425	324.413	4.4072	.23150	.04416	.003	.04414	.12
								31
90117	9.425	324.384	4.4081	.19760	.04397	.003	.04395	
90116	9.495	324.004	4.4586	.23080	.04433	• CO2	.04435	• 25
90115	9.495	323.544	4.4721	.19598	.04429	.005	. 24438	.19
							.04425	19
90114	9.495	323.041	4.4873	.16598	.04411	•003		
90113	9.495	322.606	4.5003	.13760	.04395	.003	.04416	50
90112	10.42A	324.708	4.0678	.26793	.04621	.005	.04515	.50
90111	10.428	324.355	4.9798	.23148	.04614	.002	.04613	. 35
90110	10.429	323.717	5.0022	•19761	.04601	.002	.04607	• 07
90109	10.429	322.977	F.0280	.16600	.04577	.004	.04592	46
90108	11.241	324.578	5.4387	.26791	.04782	.003	.04778	.51
			5.4682		.04752	. 205	.04757	16
90107	11.241	323.817		.23102				
90106	11.241	323.341	5.4871	•19730	.04773	.003	.04783	• 25
90105	11.241	322.946	5.5025	.16519	.04748	.004	.04752	29
90104	12.081	324.126	5.9415	.26741	.04935	.003	.04936	.09
90103	12.031	323.636	5.9628	.23104	.04941	•003	.04947	.14
90102	12.081	323.352	5.9753	.19721	.04931	.006	.04940	00
90101	12.081	323.047	5.9886	.15529	.04926	.003	.04938	23
00009	12.981	323.997	6.4625	.26737	· 05141	•002	.05143	.39
90098	12.981	323.454	5.4H88	.23099	.05105	• 203	.05113	40
90097	12.991	323.136	6.5045	.19724	.05123	•002	.05134	11
96100	12.981	322.760	6.5228	.15544	.05145	.003	.05159	. 26
90096					.05302	.002	.05302	18
	13.890	324.202	6.9634	.26793				
90095	13.690	323.614	6.9942	.23130	.05326	.003	.05332	.15
90093	13.890	323.137	7.0195	.19743	.05272	.003	•05282	47
90094	13.890	322.805	7.0372	.16644	.05312	.003	.05325	28
90092	14.743	324.436	7.4168	.30709	.05539	.003	.05537	. 93
90051	14.743	323.910	7.4458	.25803	.05481	•003	.054.84	24
20000	14.743	323.553	7.4658	.23150	.05508	.904	.05514	•16
		322.958	7.4996				.05521	
90089	14.743			.19742	.05510	.002		. 05
96088	15.683	324.225	7.9242	.30697	.05675	.003	.05675	15
90087	15.683	323.794	7.9495	.25767	•05680	.003	•05684	18
20086	15.633	323.304	7.9785	.23132	.05655	.002	.05663	75
90085	15.682	322.949	7.9993	.19733	.05691	.003	.05701	21
000R4	15.518	324.686	8.3190	.34921	.05881	•002	.05877	• 54
90083	16.518	324.286	8.3432	.30599	.05832	.003	.05832	31
90082	16.518	323.698	8.3786	.26780	.05847	.004	.05851	21
90081	16.517	323.173	8.4104	.23131	.05827	•003	.OF936	70
90080	17.708	324.732	8.8848	.34992	.06101	.002	.06097	.48
90076	17.649	324.183	8.8921	.30801	.06073	.002	.06073	. C 5
90079	17.707	324.388	8.9061	.30805	.06103	.002	.06102	. 42
90075	17.649	323.472	8.9243	.25873	.06033	.007	.06038	76
90077	17.706	324.059	8.9261	.23271	.06122	.004	.06123	. 64
90078	17.707	324.019	8.9291		.06128		.06130	. 72
				.26906		.002		
90074	17.550	323.395	9.9422	.23202	.06073	.005	.06080	1P
90073	17.650	322.864	8.9751	.19809	.06088	•005	.06099	09
90072	18.819	324.495	9.3966	.34989	.06291	• > 02	.06239	.17
							.06277	
90071	18.820	324.020	9.4274	.30761	.06275	.003		23
90070	18.820	3?3.539	9.4584	.26847	.06304	.003	.06310	• (' 9
90069	18.820	323.186	9.4812	.23180	.06297	.002	.06306	13
90068	19.958	324.638	9.8618	.39472	.06500	.001	.06497	. 33
90067	19.959	324.287	9.8846	.34987	.05498	•002	.06498	.19
94600	19.959	323.697	9.9227	.30747	.06473	.003	.06478	36
90165	19.950	323.271	9.9508	. 26824	.06530	.005	.06538	.36
90064								
	21.274	324.677	10.3653	.39473	.06692	•004	.06588	11
69063	21.274	324.104	10.4022	.35001	.36708	.002	.06709	04
90062	21.275	323.71P	10.4275	.30787	.06703	.003	.06708	23
90061	21.275	323.301	10.4550	.26842	.06693	.002	.06702	51
90060	22.733	324.412	10.8946	.39457	.06956	.003	.06954	. 24
90059	22.733	323.846	10.9308	.34961	•06936	.001	.06940	21
90058	22.734	323.195	10.9730	.30752	.06938	.003	.06948	37
90057	22.724	323.019	10.9843	.26308	.05927	.003	.06939	- , " r
90055	24.025							
		324.704	11.2912	.44210	.07110	.003	.07105	31
90055	24.024	324.317	11.3154	.39440	.3713?	• 602	.07131	11
90054	24.025	323.992	11.3359	.34992	.C7139	.003	.07142	11
90053	24.025	323.388	11.3741	.30748	.07137	.003	.07146	31
90052	26.059	325.311	11.8443	•47195	.07412	.002	.07400	10
90051	26.059	324.534	11.8855	.44166	.07468	.004	.07463	. 47
90050	26.058	323.803	11.9360	.34984	.07430	.003	.07435	27
90049	26.058	323.517	11.9538	.30763	.07391	.005	.07399	0
70048	27.727	324.800	12.3093	.49242	.07681	.003	.07574	+ 2 2
90047	27.729	324.519	12.3265	.44207	.07546	.003	.07543	17
90046	27.725	323.727	12.3724	.34951	.07651	.003	.07557	45
90045	27.723	323.242	12.4013	.30722	.07606	.094	.07614	-1.19
90044	30.250	325.371	12.8623	.54529	•079 <b>7</b> 2	.002	.07957	21
90043	30.250	324.829	12.8931	.49202	.0801P	.003	.08610	.19
90042	30.249	324.217	12.9279	.44141	.07945	.002	.07965	54
90041	30.249	323.704	12.9573	.34989	.07990	.002	.07997	- , 4, 4
90040	32.609	325.406	13.3455	.60007	.08292	.002	.38276	(1
90036	32.809	325.463	13.3812	.50003	.08291	.301	.08274	31
40034	32.609	324.508	13.3949	.54328	.08227	.002	.0€223	-1.64
93035								
40000	32.879	325.198	13.3957	.54459	.08297	.001	.09283	31

90038	32.610	323.7PR	13.4347	.44045	.08287	.004	.08293	49
90034	32.808	324.236	13.4481	.44119	.08292	• 202	.08292	62
90037	32.608	323.473	13.4518	.34912	.08305	.005	.08316	36
90033	32.810	323.521	13.4979	·34938	.08293	.004	.08303	79
90032	34.668	325.134	13.7424	. 54461	.08522	.001	•08509	36
90031	24.649	324.187	13.7929	.44126	.08499	•002	.08500	87
90030	34.671	323.943	13.8063	.39467	.08536	.002	.08540	50
90029	34.568	323.452	13.8321	.34953	.08513	.002	.08525	89
90028	38.459	325.670	14.3375	.65871	.08894	.002	.08872	-1.01
20027	38.462	325.117	14.3557	.54538	.08956	.001	.08952	34
90026	38.462	323.970	14.4236	.44131	.08932	. 302	.08936	-1.01
90025	38.461	323.315	14.4564	.34917	.08918	. 303	.08932	-1.33
90024	41.511	326.205	14.7523	.78212	. 99215	.001	.09184	-1.03
00023	41.515	325.354	14.7940	.65776	.09247	.001	.09229	89
20023	41.514	324.445	14.8375	.54426	.09251	.001	•09248	-1.06
90021	41.514	323.943	14.8519	.44165	.09277	.002	.09282	90
90018	45.993	325.004	15.3325	.79173	.09699	.001	.09670	67
90017	45.904	325.212	15.3688	.55588	.09682	.001	.09566	-1.23
90019	45.993	324.544	15.3992	.54463	.09726	.002	.09721	92
90020	45.993	324.009	15.4236	.44256	.09731	.302	.09735	-1.00
90014	50.625	325.828	15.8539	.73164	.10131	.001	.10104	-1.09
90013	50.625	324.912	15.8934	.65685	.10128	.002	.10117	-1.32
90015	50.626	324.757	15.9002	.54536	.10168	.C01	.10159	96
90015	50.625	324.228	15.9233	.44349	.10208	.002	.10208	68
90010	55.798	325.807	16.3570	.78102	.10578	.001	•10551	-1.32
90009	55.799	324.901	16.3944	. 55647	.10582	.001	.10570	-1.48
90011	55.798	324.497	16.4111	.54466	.10617	.331	.16612	-1.23
90012	55.708	324.013	16.4310	.44291	.10666	.001	.10570	87
90006	61.793	325.763	15.8576	.78236	.11130	.001	.11103	93
70005	51.782	325.233	16.8883	.65858	.11126	.001	.11108	-1.07
90007	61.780	324.854	16,9026	.54534	.11171	.001	.11160	74
90008	51.779	324.127	16.9314	.44335	.11196	.002	.11198	67
90003	67.350	326.812	17.2469	92002	.11613	.001	.11567	39
90002	57.351	325.959	17.2788	.78334	.11632	.301	•11601	39
90001	67.349	325.764	17.2859	.65026	.11664	.001	.11636	15
90004	67.35?	324.723	17.3252	.54666	•11628	.002	.11619	67

3. Results for a 50/50 Mixture of Methane-Ethane.

A total of 932 points are given in table 2. The actual mole fraction of methane in the mixture is 0.50217 with the balance ethane. The computer programs developed for the thermal conductivity surface of this mixture are shown below. The equation of state used for this mixture is given in [14].

```
FUNCTION TC5050(RHO,T)
C
      COEF. FROM TCO21 28 MAR 85
      DIMENSION A(3),B(5)
      DATA A/ .9271600E-02,-.3606085E-04, .3047760E-06/
      DATA B/ .2281903E-02, .1157403E-06, .4184580E-05,
     1 .9001806E-08, .1243893E-07/
      TC ZERO=A(1)+A(2)+T+A(3)+T++2
      EXCESS=(8(1)+8(2)*T)*RHO+(8(3)+8(4)*T)*RHO**3+8(5)*RHO**5
      TC5050=TCZERO+EXCESS+CR5050(RHO,T)
      RETURN
      END
      FUNCTION CR5050(RHD, TEMP)
C
      COEF. FROM TCO21 AND MINIMS 28 MAR 85
      DIMENSION C(6)
      DATA (TC=262.919), (RHDC=8.68)
      DATA C/ .2953032E+00,-.2425000E+03, .3256997E-01,-.9394503E-04,
     1 -.2243679E+00, .2357194E+00/
      T=TEMP
      DEN=RHO
      IF(T.LT.TC) T=TC
      IF(T.LT.371.129) GO TO 4
   5 CR5050=0.
      RETURN
    4 CONTINUE
      AMPL=C(1)/(T+C(2))+C(3)+C(4)+T
      DELRHO=DEN-RHOC
      X1=C(5)*DELRHO
      IF (DEN.GT.RHOC) X1=C(6) +DELRHO
      CR5050=AMPL*EXP(-X1**2)
      RETURN
      END
```

Table 2. The Thermal Conductivity of a 50/50 Mathane-Ethane Mix

					Experimental		Adjusted Thermal	
Run Pt.	Pressure	Temperature	Density	Power	Thermal Conductivity	STAT	at a Nominal Temperature of 152.9K	Deviation from Corelation
	мра	К	mol/L	W/m	W/m.K	3.7.	W/m.K	percent
103032 103031	3.642 3.641	153.894 153.444	21.4375		•17034	.301	•17019	64 -1.00
103030	3.639	153.122	21.4819		•17027 •17094	.001	•17018 •17090	-1.00
103029	3.635	152.407	21.5229		.16927	.001	•16929	-2.35
103028	8.838	153.908	21.6545		.17516	.001	.17600	21
103927	8.835	153.426	21.6807		.17625	.001	•17616	47
1.03026	8.835	152.969	21.7056		.17584	.001	.17582	-1.00
103725	8.830	152.335	21.7400		•17451	.001	.17459	-2.19
103024 103023	15.056 15.051	153.875 153.340	21.8912		•18258 •182 <b>3</b> 5	.001	•18242 •18227	•18 -•27
103023	15.051	152.778	21.9476		.18138	.001	•18139	-1.15
103021	15.044	152.169	21.9787		.17999	.001	.18010	-2.31
103020	21.514	153.575	22.1256	1.37094	.18783	.001	.18772	12
103019	21.503	153.481	22.1298	1.25302	.18821	.001	.18811	• 03
107018	21.492	152.661	22.1596		.18742	.001	.18745	86
103017	21.491	152.058	22.1991		.18595	.001	.18608	-2.01
103016	28.799	153.522	22.3506		.19342	•001	•19331	22
103015 103014	28.795 28.785	152.942 152.621	22.3775		•19307 •19272	.001	•19306 •192 <b>7</b> 6	72 -1.08
103014	28.780	151.927	22.4243		•19175	.001	•19279	-1.57
103012	36.590	153.189	22.5796		.19855	.001	.19849	67
103011	35.592	152.869	22.5939		.19894	.001	.19894	64
103010	36.587	152.451	22.6124	1.12787	.19885	.001	•19892	-•60
103009	36.591	151.752	22.5435		.19736	.001	.19754	-2.03
103008	43.937	153.206	22.7619		.20516	.001	.20510	•15
103007	43.937	152.932	22.7736		.20603	.001	.20602	.43
103006	43.934	152.635 151.763	22.7862		.20652	•301	•20656	•52 -•89
103005 103004	43.930 50.660	153.341	22.9235		•20451 •21037	.001	•2046 <del>9</del> •21029	-64
103003	50.673	152.703	22.9373		•21058	.001	.21961	.43
103002	50.664	152.509	22.9451		•21093	.001	.21099	.50
103001	50.660	151.467	22.9883		.20908	.001	.20931	88
					Experimental		Adjusted Thermal	
Run Pt.	Pressure	Temperature	Density	Power	Thermal Conductivity	STAT	at a Nominal Temperature of 177.1K	Deviation
KUN PE.	MPa	K	moi/L	W/m	W/m.K	SIAI	W/m.K	percent
	111 0	10		47 IA	# 7 Tr • Tr		W 2 11. W 12	PCIOCITE
104028	3.536	177.772	19.9524	1.23290	.14318	.001	.14308	52
104027	3.633	177.336	19.9911	1.11136	.14377	.001	.14374	44
104026	3.631	176.842	20.0235	.99599	.14425	.001	1 / / 20	
104025	3.627						•14429	49
104024		176.442	20.0496	.88726	.14469	.001	•14479	49
10/033	12.547	177.542	20.0496	.88726 1.23321	•14469 •15410	.001	•14479 •15403	49 21
104023	12.547 12.521	177.542 177.039	20.0496 20.4946 20.5223	.88726 1.23321 1.11153	•14469 •15410 •15447	.001 .001	•14479 •15403 •15448	49 21 29
104022	12.547 12.521 12.504	177.542 177.039 176.745	20.0496 20.4946 20.5223 20.5384	.88726 1.23321 1.11153 .99693	•14469 •15410 •15447 •15471	.001 .001 .001	•14479 •15403 •15448 •15476	49 21 29 32
104922 194021	12.547 12.521 12.504 12.482	177.542 177.039 176.745 175.842	20.0496 20.4946 20.5223 20.5384 20.5891	.88726 1.23321 1.11153 .99693 .88682	.14469 .15410 .15447 .15471 .15534	.001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553	49 21 29 32 50
104022	12.547 12.521 12.504	177.542 177.039 176.745	20.0496 20.4946 20.5223 20.5384	.88726 1.23321 1.11153 .99693 .88682 1.36099	•14469 •15410 •15447 •15471	.001 .001 .001	•14479 •15403 •15448 •15476	49 21 29 32
104022 104021 104020	12.547 12.521 12.504 12.482 21.832	177.542 177.039 176.745 175.842 177.961	20.0496 20.4946 20.5223 20.5384 20.5891 20.9095	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371	.14469 .15410 .15447 .15471 .15534 .16344	.001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331	49 21 29 32 50 .10 .08
104022 104021 104020 104019	12.547 12.521 12.504 12.482 21.832 21.833	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.302	20.0496 20.4946 20.5223 20.5384 20.5891 20.9095 20.9409	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371	.14469 .15410 .15447 .15471 .15534 .16344	.001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432	49 21 29 32 50 .10 .08 12 50
104022 104021 104020 104019 104018 104017 104015	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392	20.0496 20.4946 20.5223 20.5384 20.5891 20.9095 20.9409 20.9723 20.9906 21.2691	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929	.14469 .15410 .15471 .15534 .16344 .16400 .16426 .16398 .17203	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409	4921293250 -10081250 -41
104022 104021 104020 104019 104018 104017 104015 104016	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 178.082	20.0496 20.4946 20.5223 20.5384 20.5891 20.9095 20.9409 20.9723 20.9691 21.2912	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16426 .16398 .17203 .17290	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187	4921293250 -10 -081250 -41
104022 104021 104020 104019 104018 104017 104015 104016	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.043	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.302 178.082 177.613	20.0494 20.4946 20.523 20.5384 20.5891 20.9095 20.9409 20.9723 20.9906 21.2691 21.2912 21.3204	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16425 .16398 .17203 .17290 .17267	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282	49 21 29 32 50 .10 .08 12 50 .41 .67
104022 104021 104020 104019 104018 104017 104015 104016 104014 104013	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.043 31.042 31.042	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.302 178.082 177.613 176.997	20.0494 20.4946 20.5223 20.5384 20.5891 20.9095 20.9723 20.9906 21.2691 21.3204 21.3420	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342	.14469 .15410 .15447 .15471 .15534 .16344 .16426 .16426 .16398 .17203 .17290 .17267	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269	4921293250 -10081250 -41672053
104022 104021 104020 104019 104018 104017 104015 104016 104014 104013 104012	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.043 31.042 31.029 40.142	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 178.082 177.613 176.997 176.532	20.0494 20.4946 20.523 20.5384 20.5891 20.9095 20.9409 20.9723 20.9906 21.2691 21.2912 21.3204	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16426 .16398 .17203 .17290 .17267 .17183	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15476 .15573 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192	4921293250 -10081250 -41 -672053 1.00
104022 104021 104020 104019 104018 104017 104015 104016 104014 104013	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.043 31.042 31.042	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.302 178.082 177.613 176.997	20.0494 20.4946 20.5223 20.5384 20.5891 20.9095 20.9723 20.9906 21.2691 21.3204 21.3204 21.3420 21.5890	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.49279	.14469 .15410 .15447 .15471 .15534 .16344 .16426 .16426 .16398 .17203 .17290 .17267	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269	4921293250 -10081250 -41672053
104922 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.043 31.042 31.029 40.142 40.123 40.132	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 178.082 177.613 176.997 176.532 177.875 177.875	20.0494 20.4946 20.5223 20.5384 20.5891 20.9095 20.9723 20.9906 21.2691 21.3204 21.3420 21.5890 71.5968 21.6537	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.35796 1.10414	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999	4921293250 -10 -081250 -41 -67 -2053 1.CC 2.03 -7711
104922 124021 104020 104019 104018 104017 104015 104016 104013 104012 104010 104010 104010 104009 104008	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.043 31.042 40.123 40.132 40.132 40.132	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 177.613 176.997 176.532 177.67 177.584	20.0494 20.4946 20.5223 20.5384 20.5891 20.9095 20.9906 21.2691 21.3204 21.3204 21.5890 21.5968 21.6042 21.6537 21.8745	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.35796 1.10414 1.49146	.14469 .15410 .154471 .15534 .16344 .16400 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987	.001 .001 .001 .001 .001 .001 .001 .000 .000 .001 .001 .002	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .18755	4921293250 -10 -081250 -41 -67 -2053 1.CC 2.03 -7711 1.04
104022 124021 104020 104019 104018 104015 104016 104014 104013 104010 104010 104010 104008 104007	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.043 31.042 31.029 40.123 40.123 40.132 40.944 9.285	177.542 177.039 176.745 175.842 177.961 177.355 176.739 176.392 178.082 177.613 176.997 176.532 177.675 177.525	20.0496 20.4946 20.523 20.5384 20.5891 20.9095 20.9723 20.9906 21.2912 21.3204 21.5890 21.5890 21.5896 21.6042 21.6537 21.8745 21.8745	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.35796 1.10414 1.49146 1.49146	.14469 .15410 .15447 .15471 .15534 .16344 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .1987	.001 .001 .001 .001 .001 .001 .001 .000 .000 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18940 .17999 .18755	49212932501008125041672053 1-CC 2-037711 1-0495
104922 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011 104008 104007 104006	12.547 12.521 12.504 12.482 21.832 21.833 21.830 31.047 31.043 31.042 31.029 40.142 40.123 40.132 40.094 49.285 49.276	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.302 178.082 177.613 176.997 176.532 177.875 177.525 177.525 177.584 177.584	20.0496 20.4946 20.523 20.5384 20.5891 20.9095 20.9723 20.9906 21.2691 21.2912 21.3204 21.5890 21.5968 21.6042 21.6537 21.8745 21.8745	.88726 1.23321 1.1153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.35796 1.10414 1.4916 1.35668 1.22823	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987 .18763 .18774	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .16755 .18770 .18782	- 49 - 21 - 29 - 32 - 50 - 10 - 08 - 12 - 50 - 41 - 67 - 20 - 53 1 CC 2 03 - 77 - 11 1 04 - 95 - 68
104922 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011 104009 104007 104006 104005	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.043 31.042 31.029 40.142 40.123 40.132 40.132 40.94 49.285 49.276 49.2262	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 178.082 177.613 176.997 176.532 177.875 177.585 177.584 177.584 177.584 177.581	20.04946 20.4946 20.5223 20.5384 20.5891 20.9095 20.9906 21.2691 21.3204 21.3420 21.5890 71.5968 21.6537 21.8745 21.8745 21.9270	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.35796 1.10414 1.49146 1.35668 1.22823 1.10707	.14469 .15410 .15447 .15471 .15534 .16344 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987 .18763 .18774	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .18755 .18770 .18782	49212932501008125041672053 1.CC 2.037711 1.04956868
104022 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011 104008 104007 104006 104005 104003	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.043 31.042 31.029 40.142 40.132 40.132 40.132 49.285 49.276 49.262 49.262 49.262	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 178.082 177.613 176.997 176.532 177.875 177.587 177.584 177.584 177.261 176.693 176.993 177.687	20.0494 20.4946 20.5223 20.5384 20.5891 20.9095 20.9906 21.2691 21.3204 21.3204 21.5908 21.5908 21.5908 21.6042 21.8745 21.8745 21.9125 21.9125 21.9270 22.1185	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.35796 1.10414 1.49146 1.35668 1.22823 1.10707 1.48452	.14469 .15410 .15471 .15534 .16344 .16344 .16400 .16426 .16398 .17203 .17267 .17183 .18057 .18262 .18047 .17987 .18763 .18773 .18773	.001 .001 .001 .001 .001 .001 .001 .000 .001 .001 .002 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17289 .17269 .17192 .18044 .18252 .18040 .17999 .18755 .18770 .18808 .19720	4921293250 -10 -081250 -41 -67 -2053 1.CC 2.037711 1.04 -95 -68 -62 2.76
104922 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011 104009 104007 104006 104005	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.043 31.042 31.029 40.123 40.123 40.123 40.132 40.944 9.285 49.262 49.249 58.653 58.664	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 178.082 177.613 176.592 177.675 177.525 176.374 177.526 177.584 177.584 177.261 176.651 176.651 176.653	20.0496 20.4946 20.523 20.5384 20.5891 20.9095 20.9740 21.2691 21.2912 21.3204 21.5890 21.5908 21.6042 21.6537 21.8745 21.9270 21.9272 21.9272 21.9272	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.10414 1.35796 1.10414 1.49146 1.	.14469 .15410 .15447 .15471 .15534 .16344 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987 .18763 .18774 .18774	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .18755 .18770 .18782 .1808 .19720 .19709	- 49 - 21 - 29 - 32 - 50 - 10 - 08 - 12 - 50 - 41 - 67 - 20 - 53 1
104022 124021 104020 104019 104018 104015 104016 104014 104013 104010 104010 104010 104001 104000 104007 104006 104005 104003 104002	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.043 31.042 31.029 40.142 40.132 40.132 40.132 49.285 49.276 49.262 49.262 49.262	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 178.082 177.613 176.997 176.532 177.875 177.587 177.584 177.584 177.261 176.693 176.993 177.687	20.0494 20.4946 20.5223 20.5384 20.5891 20.9095 20.9906 21.2691 21.3204 21.3204 21.5908 21.5908 21.5908 21.6042 21.8745 21.8745 21.9125 21.9125 21.9270 22.1185	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.49279 1.24014 1.49279 1.24014 1.35796 1.10414 1.49466 1.22823 1.10707 1.48452 1.35319 1.10411	.14469 .15410 .15471 .15534 .16344 .16344 .16400 .16426 .16398 .17203 .17267 .17183 .18057 .18262 .18047 .17987 .18763 .18773 .18773	.001 .001 .001 .001 .001 .001 .001 .000 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17289 .17269 .17192 .18044 .18252 .18040 .17999 .18755 .18770 .18808 .19720	4921293250 -10 -081250 -41 -67 -2053 1.CC 2.037711 1.04 -95 -68 -62 2.76
104922 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011 104006 104005 104005 104005 104002 104004	12.547 12.521 12.504 12.482 21.832 21.833 21.830 31.047 31.043 31.042 31.029 40.142 40.123 40.132 40.094 49.285 49.276 49.262 49.249 58.653 58.664 58.669	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.302 177.62 177.67 177.67 177.875 177.875 177.525 177.875 177.585 177.585 177.585 177.587 177.581 177.581 177.581	20.0496 20.4946 20.523 20.5384 20.5891 20.9095 20.9723 20.9906 21.2691 21.2912 21.3204 21.5890 21.5890 21.5896 21.6642 21.6537 21.8745 21.8745 21.9125 21.9270 22.1185 22.1309 22.1573	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.49279 1.24014 1.49279 1.24014 1.35796 1.10414 1.49466 1.22823 1.10707 1.48452 1.35319 1.10411	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987 .18763 .18773 .18773 .18773 .18774 .19730 .19714	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .18755 .18770 .18782 .18808 .19720 .19709 .19709	- 49 - 21 - 29 - 32 - 50 - 10 - 08 - 12 - 50 - 41 - 67 - 20 - 53 1
104922 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011 104006 104005 104005 104005 104002 104004	12.547 12.521 12.504 12.482 21.832 21.833 21.830 31.047 31.043 31.042 31.029 40.142 40.123 40.132 40.094 49.285 49.276 49.262 49.249 58.653 58.664 58.669	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.302 177.62 177.67 177.67 177.875 177.875 177.525 177.875 177.585 177.585 177.585 177.587 177.581 177.581 177.581	20.0496 20.4946 20.523 20.5384 20.5891 20.9095 20.9723 20.9906 21.2691 21.2912 21.3204 21.5890 21.5890 21.5896 21.6642 21.6537 21.8745 21.8745 21.9125 21.9270 22.1185 22.1309 22.1573	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.49279 1.24014 1.49279 1.24014 1.35796 1.10414 1.49466 1.22823 1.10707 1.48452 1.35319 1.10411	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16425 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987 .18763 .18774 .18774 .18774 .18774 .19730 .19714 .19901 .19468	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .18775 .18770 .18782 .18808 .19720 .19709 .19709 .19707	4921293250 -10 -081250 -41 -67 -2053 1.CC 2.037711 1.04956862 2.75 3.1898 Conductivity
104922 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011 104006 104006 104005 104005 104006 104003 104002 104004 104001	12.547 12.521 12.504 12.482 21.833 21.833 21.830 31.047 31.043 31.042 31.029 40.142 40.123 40.123 40.132 40.094 49.285 49.276 49.262 49.249 58.653 58.669 58.669	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 178.082 177.613 176.997 176.532 177.875 177.525 177.525 177.584 177.584 177.584 177.584 177.584 177.586	20.0496 20.4946 20.523 20.5384 20.5891 20.9095 20.9409 21.2691 21.2912 21.3204 21.3420 21.5890 21.5890 21.5968 21.6642 21.6537 21.8745 21.8745 21.9270 22.1165 22.1165 22.1175 22.1189 22.1175 22.1189 22.1175 22.1189 22.1189	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.35796 1.10414 1.49146 1.35668 1.22823 1.10707 1.48452 1.3531 1.352479	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987 .18763 .18773 .18774 .18794 .19730 .19714 .19901 .19468	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .18755 .18770 .18782 .18808 .19720 .19709 .19908 .19477	4921293250 -10 -081250 -41 -67 -2053 1.CC 2.03 -7711 1.04 -95 -68 -62 2.76 2.55 3.18 -98  Conductivity Oeviation
104922 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011 104006 104005 104005 104005 104002 104004	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.042 31.029 40.142 40.132 40.132 40.132 40.276 49.285 49.276 49.249 58.653 58.664 58.629 58.660	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 177.613 176.997 176.532 177.687 177.525 176.374 177.525 176.647 177.584 177.586 176.687 177.687 177.588	20.04946 20.4946 20.5223 20.5384 20.5891 20.9095 20.9906 21.2691 21.3204 21.3420 21.5890 71.5968 21.6537 21.8745 21.9272 22.1185 22.1302 22.1362 22.1363 22.1618	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.35796 1.35668 1.22823 1.10707 1.48452 1.35319 1.10411 1.22479	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987 .18763 .18773 .18774 .18794 .19730 .19714 .19901 .19468 Experimental Thermal Conductivity	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .18775 .18770 .18782 .18808 .19720 .19709 .19709 .19707	4921293250 -10 -081250 -41 -67 -2053 1.CC 2.03 -7711 1.04 -95 -68 -62 2.76 2.55 3.18 -98  Conductivity Oeviation
104922 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011 104006 104006 104005 104005 104005 104006 104005 104001	12.547 12.521 12.504 12.482 21.833 21.833 21.830 31.047 31.043 31.042 31.029 40.142 40.123 40.123 40.132 40.094 49.285 49.276 49.262 49.249 58.653 58.669 58.669	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 178.082 177.613 176.997 176.532 177.875 177.525 177.525 177.584 177.584 177.584 177.584 177.584 177.586	20.0496 20.4946 20.523 20.5384 20.5891 20.9095 20.9409 21.2691 21.2912 21.3204 21.3420 21.5890 21.5890 21.5968 21.6642 21.6537 21.8745 21.8745 21.9270 22.1165 22.1165 22.1175 22.1189 22.1175 22.1189 22.1175 22.1189 22.1189	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.35796 1.10414 1.49146 1.35668 1.22823 1.10707 1.48452 1.3531 1.352479	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987 .18763 .18773 .18774 .18794 .19730 .19714 .19901 .19468	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .18755 .18770 .18782 .18808 .19720 .19709 .19908 .19477  Adjusted Thermal at a Nominal Temperature of 202.3K	4921293250 -10 -081250 -41 -67 -2053 1.CC 2.03 -7711 1.04 -95 -68 -62 2.76 2.55 3.18 -98  Conductivity Oeviation from Corelation
104922 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011 104006 104006 104005 104005 104005 104006 104005 104001	12.547 12.521 12.504 12.482 21.833 21.833 21.830 31.047 31.043 31.042 40.123 40.123 40.123 40.123 40.123 40.285 49.276 49.285 49.276 49.285 58.663 58.669 58.669 58.669	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 177.613 176.997 176.532 177.687 177.525 176.374 177.525 176.647 177.584 177.586 176.687 177.687 177.588	20.04946 20.4946 20.523 20.5384 20.5891 20.9095 20.9409 21.2691 21.2912 21.3204 21.3420 21.5890 21.5896 21.66537 21.8745 21.8745 21.9270 22.11P5 22.1309 22.1573 22.1618  Density moi/L	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.352807 1.10342 1.49279 1.24014 1.35796 1.10414 1.49166 1.35668 1.22823 1.10707 1.48452 1.352479	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987 .18774 .18774 .18774 .18794 .19730 .19714 .19901 .19468 Experimental Thermal Conductivity W/m.K	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .18755 .18770 .18782 .18808 .19720 .19709 .19908 .19477  Adjusted Thermal at a Nominal Temperature of 202.3K W/m.K	4921293250 -10 -081250 -41 -67 -2053 1.cc 2.037711 1.04956862 2.76 2.55 3.1898  Conjuctivity Oeviation from Corelation percent
104022 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011 104008 104007 104008 104007 104008 104007 104008	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.042 31.029 40.142 40.132 40.132 40.132 40.276 49.285 49.276 49.262 49.249 58.653 58.664 58.629 58.660	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 177.613 176.997 176.532 177.687 177.525 176.537 177.525 176.51 176.51 176.51 176.687 177.379 176.682 176.888	20.04946 20.4946 20.523 20.5384 20.5891 20.9095 20.9906 21.2691 21.3204 21.3420 21.5890 71.5968 21.6537 21.8745 21.9272 22.1185 22.1309 22.1573 22.11618  Density roi/L 19.0939 18.0666	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.35768 1.35688 1.22823 1.10707 1.48452 1.35319 1.10411 1.22479	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987 .18763 .18773 .18774 .18794 .19730 .19714 .19901 .19468 Experimental Thermal Conductivity W/m.K	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .18755 .18770 .18782 .18808 .19720 .19709 .19908 .19477  Adjusted Thermal at a Nominal Temperature of 202.3K W/m.K	49212932501008125041672053 1.CC 2.037711 1.04956862 2.76 2.55 3.1898  Conductivity Oeviation from Corelation percent4119
104922 124021 104020 104019 104018 104015 104016 104014 104013 104010 104010 104010 104001 1040005 104005 104005 104005 104005 104005 104005 104005 104005 104005 104005 104005 104005 104005 104005 104005 104005 104005	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.042 31.042 31.029 40.142 40.132 40.132 40.132 40.285 49.276 49.262 49.262 49.262 49.265 58.664 58.669 58.660	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.302 178.082 177.613 176.932 177.67 177.584 177.584 177.584 177.261 176.67 176.687 177.879 176.682 176.588	20.0496 20.4946 20.5223 20.5384 20.5891 20.9095 20.97409 21.2912 21.3204 21.5890 21.5908 21.6042 21.6537 21.8745 21.9270 22.1185 22.1309 22.1573 22.11618	.88726 1.23321 1.11153 .99693 .886P2 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.10414 1.35668 1.22823 1.10707 1.48452 1.35319 1.10411 1.22479	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16425 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987 .18774 .18774 .18774 .18774 .19730 .19714 .19901 .19468 Experimental Thermal Conductivity W/m.K	.001 .001 .001 .001 .001 .001 .001 .000 .001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .18755 .18770 .18782 .18808 .19720 .19709 .19709 .19709 .19777  Adjusted Thermal at a Nominal Temperature of 202.3K W/m.K .11651 .11643 .11722	4921293250 -10 -081250 -41 -67 -2053 1.CC 2.03 -7711 1.04 -95 -68 -62 2.76 2.55 3.18 -98  Conductivity Deviation from Corelation percent -41 -19 -47
104022 124021 104020 104019 104018 104015 104016 104014 104013 104012 104010 104011 104008 104007 104008 104007 104008 104007 104008	12.547 12.521 12.504 12.482 21.832 21.833 21.834 21.830 31.047 31.042 31.029 40.142 40.132 40.132 40.132 40.276 49.285 49.276 49.262 49.249 58.653 58.664 58.629 58.660	177.542 177.039 176.745 175.842 177.961 177.355 176.749 176.392 177.613 176.997 176.532 177.687 177.525 176.537 177.525 176.51 176.51 176.51 176.687 177.379 176.682 176.888	20.04946 20.4946 20.523 20.5384 20.5891 20.9095 20.9906 21.2691 21.3204 21.3420 21.5890 71.5968 21.6537 21.8745 21.9272 22.1185 22.1309 22.1573 22.11618  Density roi/L 19.0939 18.0666	.88726 1.23321 1.11153 .99693 .88682 1.36099 1.23371 1.11164 .99494 1.48929 1.35836 1.22807 1.10342 1.49279 1.24014 1.35768 1.35688 1.22823 1.10707 1.48452 1.35319 1.10411 1.22479	.14469 .15410 .15447 .15471 .15534 .16344 .16400 .16426 .16398 .17203 .17290 .17267 .17183 .18057 .18262 .18047 .17987 .18763 .18773 .18774 .18794 .19730 .19714 .19901 .19468 Experimental Thermal Conductivity W/m.K	.001 .001 .001 .001 .001 .001 .001 .001	.14479 .15403 .15448 .15476 .15553 .16331 .16396 .16432 .16409 .17187 .17282 .17269 .17192 .18044 .18252 .18040 .17999 .18755 .18770 .18782 .18808 .19720 .19709 .19908 .19477  Adjusted Thermal at a Nominal Temperature of 202.3K W/m.K	49212932501008125041672053 1.CC 2.037711 1.04956862 2.76 2.55 3.1898  Conductivity Oeviation from Corelation percent4119

	7 250	000 033	10 (040	1 02600	12250	.001	.12249	. 41
105028	7.258	202.933		1.03600	.12258			
105027	7.257	202.523	18.5235	.91845	•12303	.001	•12300	• 4 C
105025	7.255	201.863	18,5688	. 60643	.12366	.001	.12373	.37
							.12444	.61
105025	7.254	201.501	18.5951		.12432	.001		
LUF724	14.176	203.251	19.0448	1.16225	.13126	.001	.13112	.04
105023	14.175	202.761	12-0763	1.03590	·13178	.001	.13172	.09
105022	14.170	202.155	19.1139	.91735	.13220	.001	.13223	01
105021	14.167	201.659	19.1447	.80659	.13318	.001	.13328	• 38
				1.16131	.14234	.001	•14224	• 21
105020	23.401	202.973						
105019	23.396	202.28?	19.5956	1.03407	.14263	.001	•14264	•00
105018	22.394	201.783	19.7226	.91578	.14306	.001	.14315	.00
105017	23.392	201.227	19.7527	.80444	.14336	.001	•14354	12
105016	32.243	203.209	20.1372	1.29418	.15 C 7 5	.001	.15061	.05
		202.598		1.16013	.15177	.001	.15173	.40
105015	32.234							
105014	32.228	202.089	20.1513	1.03375	•15158	.001	.15162	.01
105013	32.221	201.599	20.1849	.915Pl	.15?C7	.001	•15219	. 08
							.15951	. 44
105012	41.242	202.942		1.29408	.15961	.001		
105011	41.236	202.418	20.5376	1.15047	.16045	0.000	.16044	• 72
105010	41.225	202.044	20.5540	1.03411	.16039	.001	•16044	.51
						_		
105009	41.218	201.373	20.5836	.91502	• 16029	.001	.16045	. 12
105008	50.240	203.153	20.8449	1.+2849	.16712	.001	•16698	.67
105007	50.230	202.842		1.29041	.16761	.001	.16752	. 83
105705	50.223	202.186	20.8845	1.15659	.16779	.001	•16782	. 65
105005	50.217	201.911	20.8957	1.03277	.16834	.001	.16841	. 85
				1.42961		.001	.17470	1.30
105004	58.950	203.016			•17482			
105003	58.950	202.465	21.1606	1.28772	.17462	.001	•17460	. 96
105002	58.949	202.694		1.15590	.17457	.001	.17461	.78
105001	58.956	201.731	21.1893	1.03138	.17582	.001	.17593	1.34
					Experimental		Adjusted Thermal	Conductivity
					Thermal		at a Nominal	Oeviation
Pun Pt.	Pressure	Temperature	Density	Power	Conductivity	STAT	Temperature of 231.6K	from Corelation
	MPs	K	mol/L	W/m	¥/m.K		W/m.K	percent
	8 477	^	110 1 7 L	W 7 10	P / 10 0 F		■ V di ● ✓	percent
102104	.254	232.026	.1348	.12942	.01848	.001	.01843	1.58
1021.03	. 254	230.961	.1357	.10632	.01835	.002	.01841	1.47
102102	.254	230.129	•1362	.0863R	.01827	.002	.01842	1.50
102101	. 254	229.289	.1367	.06854	.01816	.003	•01840	1.37
	.254	228.553			.01801	.005	.01832	. 97
102105			•1370	.05286				
1027.00	.757	232.315	.4229	.15251	.01918	.001	.01910	. 73
102099	.757	231.274	. 4255	.12849	.01922	.001	.01925	1.46
102398	.757	230.323	.4278	.10527	.01881	.002	.01894	19
102097	.758	229.507	.4300	.08639	.01902	.002	.01924	1.31
102095	.758	228.925	.4316	.0685 R	.01877	.003	.01905	. 30
							*01707	4 3 3
102095	1.127							
102094		231.603	.6500	.15197	·01988	.001	.01985	. 95
	1.128					.001		
	1.128	230.825	.6643	•12792	.01970	.001 .002	.01978	.50
102093	1.129	230.825	.6643 .6683	•12792 •10601	.01970 .01945	.001 .002	.01978 .01961	.50 43
		230.825	.6643	•12792	.01970	.001 .002	.01978	.50
102093 102092	1.129	230.825 230.064 229.455	.6643 .6693 .6717	.12792 .10601 .38618	.01970 .01945 .01951	.001 .002 .002	.01978 .01961 .01973	.50 43 .15
102093 102092 106032	1.129 1.130 5.906	230.825 230.064 229.455 233.130	.6643 .6683 .6717 15.4845	.12792 .10601 .08618 .81903	.01970 .01945 .01951 .09147	.001 .002 .002 .003	.01978 .01961 .01973 .09125	.50 43 .15 2.39
102093 102092	1.129 1.130 5.906 5.905	230.825 230.064 229.455 233.130 232.436	.6643 .6693 .6717 15.4845 15.5716	.12792 .10601 .38618	.01970 .01945 .01951 .09147 .09191	.001 .002 .002	.01978 .01961 .01973 .09125 .09179	.50 43 .15
102093 102092 106032 106031	1.129 1.130 5.906 5.905	230.825 230.064 229.455 233.130 232.436	.6643 .6693 .6717 15.4845 15.5716	.12792 .10601 .08618 .81903 .70635	.01970 .01945 .01951 .09147 .09191	.001 .002 .002 .003 .001	.01978 .01961 .01973 .09125 .09179	.50 43 .15 2.39 2.09
102093 102092 106032 106031 106030	1.129 1.130 5.906 5.905 5.904	230.825 230.064 229.455 233.130 232.436 231.797	.6643 .6683 .6717 15.4845 15.5716 15.6504	.12792 .10601 .08618 .81903 .70635	.01970 .01945 .01951 .09147 .09191	.001 .002 .002 .003 .001 .001	.01978 .01961 .01973 .09125 .09179	.50 43 .15 2.39 2.09 2.09
102093 102092 106032 106031 106030	1.129 1.130 5.906 5.905 5.904 5.902	230.825 230.064 229.455 233.130 232.436 231.797 231.229	.6643 .6693 .6717 15.4845 15.5716 15.6504 15.7188	.12792 .10601 .08618 .81903 .70635 .60218	.01970 .01945 .01951 .09147 .09191 .09250	.001 .002 .002 .003 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247	.50 43 .15 2.39 2.09 2.01 1.93
102093 102092 106032 106031 106030	1.129 1.130 5.906 5.905 5.904	230.825 230.064 229.455 233.130 232.436 231.797	.6643 .6683 .6717 15.4845 15.5716 15.6504	.12792 .10601 .08618 .81903 .70635	.01970 .01945 .01951 .09147 .09191	.001 .002 .002 .003 .001 .001	.01978 .01961 .01973 .09125 .09179	.50 43 .15 2.39 2.09 2.09
102093 102092 106032 106031 106030 106029 106028	1.129 1.130 5.906 5.905 5.904 5.902 11.140	230.825 230.064 220.455 233.130 232.436 231.797 231.229 232.796	.6643 .6693 .6717 15.4845 15.5716 15.6504 15.7188 16.6053	.12792 .10601 .08618 .81903 .70635 .60218 .50657 .81909	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155	.001 .002 .002 .003 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137	.50 43 .15 2.39 2.09 2.01 1.93
102093 102092 106032 106031 106030 106029 106028	1.129 1.130 5.906 5.905 5.904 5.902 11.140	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.085	.6643 .6683 .6717 15.4845 15.5716 15.6504 15.7188 16.6053 16.6650	.12792 .10601 .08618 .81903 .70635 .60218 .50657 .81909	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213	.001 .002 .002 .003 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .16137	.5043 .15 2.39 2.09 2.01 1.93 .67
102093 102092 106032 106031 106030 106029 106028 106027 106026	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.139 11.136	230.825 230.064 220.455 233.130 232.436 231.797 231.229 232.796 232.585 231.554	.6643 .6693 .6717 15.4845 15.5716 15.6504 15.7188 16.6053 16.6650	.12792 .10601 .08618 .81903 .70635 .60218 .50657 .81909 .70628 .60241	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213	.001 .002 .002 .003 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205	.5043 .15 2.39 2.09 2.01 1.93 .67 .65
102093 102092 106032 106031 106030 106029 106028	1.129 1.130 5.906 5.905 5.904 5.902 11.140	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.085	.6643 .6683 .6717 15.4845 15.5716 15.6504 15.7188 16.6053 16.6650	.12792 .10601 .08618 .81903 .70635 .60218 .50657 .81909	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213	.001 .002 .002 .003 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .16137	.5043 .15 2.39 2.09 2.01 1.93 .67
102093 102092 106032 106031 106030 106029 106028 106027 106026 106025	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.139 11.136	230.825 230.064 229.4455 233.130 232.435 231.797 231.229 232.796 232.085 231.554 231.097	.6643 .6683 .6717 15.4845 15.5716 15.6504 15.7188 16.6653 16.6650 16.7091	.12792 .10601 .08618 .81903 .70635 .60218 .50657 .81909 .70628 .60241	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341	.001 .002 .002 .003 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286	.50 43 .15 2.39 2.09 2.01 1.93 .67 .65
102093 102092 106032 106033 106030 106029 106028 106027 106026 106025 106024	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.139 11.136 11.136	230.825 230.064 229.455 233.130 232.436 231.797 231.229 232.796 232.085 231.554 231.097 233.165	.6643 .6693 .6717 15.4845 15.5716 15.6504 15.7188 16.6653 16.7091 16.7471 17.2892	.12792 .10601 .08618 .81903 .70635 .60218 .506F7 .81909 .70628 .60241 .50681	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13	.001 .002 .002 .003 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348	.50 43 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08
102092 102092 106032 106031 106030 106629 106027 106026 106025 106025 106024 106023	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.139 11.136 11.136 16.611	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.554 231.055 232.487	.6643 .66737 15.4845 15.5716 15.6504 15.7188 16.6053 16.6050 16.7091 16.7471 17.2892	.12792 .10601 .38618 .81903 .70635 .60218 .50657 .81909 .70628 .60241 .50681 .94054	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66
102093 102092 106032 106033 106030 106029 106028 106027 106026 106025 106024	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.139 11.136 11.136	230.825 230.064 229.455 233.130 232.436 231.797 231.229 232.796 232.085 231.554 231.097 233.165	.6643 .6693 .6717 15.4845 15.5716 15.6504 15.7188 16.6653 16.7091 16.7471 17.2892	.12792 .10601 .08618 .81903 .70635 .60218 .506F7 .81909 .70628 .60241 .50681	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66
102093 102092 106032 106031 106030 106629 106028 106027 106026 106025 106024 106024 106023	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 16.611 16.611	230.825 230.064 229.455 233.130 232.436 231.797 231.229 232.796 232.508 231.554 231.097 233.165 232.487 231.909	.6643 .6693 .6717 15.4845 15.5716 15.6504 15.7188 16.6653 16.6650 16.7091 16.7471 17.2892 17.3361	.12792 .10601 .381903 .70635 .60218 .50657 .81999 .70628 .60241 .50681 .94064 .81914	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11013	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30
102093 102092 106032 106031 106030 106029 106028 106027 106026 106025 106024 106023 106023 106022	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.139 11.136 15.611 16.611 16.607 16.608	230.825 230.064 220.455 233.130 232.436 231.797 231.229 232.796 232.985 231.554 231.097 233.165 232.487 231.999	.6643 .6693 .6717 15.4845 15.5716 15.6504 15.7188 16.6650 16.7091 16.7471 17.2892 17.3361 17.3755 17.4131	*12792 *10601 *0861 *81903 *70635 *60218 *50657 *81909 *70628 *60241 *50681 *94064 *81914 *70664 *60250	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11C31 .11C31	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21
102093 102092 106032 106031 106039 106029 106028 106027 106026 106025 106024 106023 106022 105022 105022	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.139 11.136 15.611 16.611 16.607 16.608 25.127	230.825 230.064 229.455 233.130 232.436 231.797 231.229 232.796 232.08 231.554 231.097 233.165 232.487 231.965 232.487 231.965	.6643 .6693 .6717 15.4845 15.5716 15.7188 16.6053 16.6053 16.7091 17.2892 17.3361 17.3755 17.4131	.12792 .10601 .381903 .70635 .60218 .50657 .81999 .70628 .60241 .50681 .94064 .81914	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11C3 .11C3	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30
102093 102092 106032 106031 106030 106029 106028 106027 106026 106025 106024 106023 106023 106022	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.139 11.136 15.611 16.611 16.607 16.608 25.127	230.825 230.064 229.455 233.130 232.436 231.797 231.229 232.796 232.08 231.554 231.097 233.165 232.487 231.965 232.487 231.965	.6643 .6693 .6717 15.4845 15.5716 15.6504 15.7188 16.6650 16.7091 16.7471 17.2892 17.3361 17.3755 17.4131	*12792 10601 38618 81903 *70635 60218 50657 81909 *70628 60241 50681 94054 81914 *70664 60250 94027	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11C3 .11C3	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017 .11063 .11104	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .20 .21 .14
102093 102092 106032 106031 106030 106029 106027 106026 106025 106025 106025 106022 105021 105021 105020 106019	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.139 11.136 15.611 16.611 16.607 16.608 25.127 25.129	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.554 231.009 231.309 231.309 231.309	.6643 .6693 .6717 15.4845 15.5716 15.6504 15.7188 16.6053 16.6650 16.7091 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130	.12792 .10601 .38618 .81903 .70635 .60218 .50657 .81909 .70628 .60241 .50681 .9405 .81914 .70664 .60250 .94027 .81923	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11C13 .11C31 .11C48	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14
102093 102092 106032 106031 106030 106029 106028 106025 106025 106024 106025 106022 105021 105020 106019	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 15.611 16.607 16.608 25.127 25.127	230.825 230.064 229.445 233.130 232.436 231.797 231.279 232.796 232.785 231.554 231.097 233.165 232.487 231.909 231.365 232.775 232.177 231.591	.6643 .66737 15.4845 15.5716 15.6504 15.7188 16.6650 16.7091 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.1790	.12792 .10601 .3861 .81903 .70635 .60218 .50657 .81999 .70628 .60241 .50681 .94054 .81914 .70664 .60250 .94027 .81923 .70643	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11068 .111068 .11101 .12111	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14 .12
102093 102092 106032 106031 106030 106629 106028 106025 106025 106024 106023 106021 105020 106019 106019	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 16.611 16.607 16.608 25.127 25.129 25.125	230.825 230.064 220.455 233.130 232.436 231.797 231.229 232.796 232.085 231.554 231.097 233.165 232.487 231.909 231.365 232.750 232.750 232.177 231.591 231.049	.6643 .6693 .6717 15.4845 15.5716 15.6504 15.7188 16.6053 16.6053 16.7091 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.14790 18.2098	.12792 .10601 .381903 .70635 .60218 .50657 .81909 .70628 .60241 .50681 .94054 .81914 .70664 .60250 .94027 .81923 .70643	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11031 .11031 .11068 .11101 .12111 .12149	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14
102093 102092 106032 106031 106030 106029 106028 106025 106025 106024 106025 106022 105021 105020 106019	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 15.611 16.607 16.608 25.127 25.127	230.825 230.064 229.445 233.130 232.436 231.797 231.279 232.796 232.785 231.554 231.097 233.165 232.487 231.909 231.365 232.775 232.177 231.591	.6643 .6693 .6717 15.4845 15.5716 15.6504 15.7188 16.6053 16.6053 16.7091 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.14790 18.2098	.12792 .10601 .3861 .81903 .70635 .60218 .50657 .81999 .70628 .60241 .50681 .94054 .81914 .70664 .60250 .94027 .81923 .70643	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11068 .111068 .11101 .12111	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14 .12
102093 102092 106032 106033 106030 106029 106028 106025 106025 106024 106023 105022 105021 105020 106019 106019 106015	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 16.611 16.601 16.608 25.127 25.129 25.125 34.095	230.825 230.064 229.455 233.130 232.436 231.797 231.229 232.796 232.08= 231.554 231.097 233.165 232.487 231.909 231.365 232.477 231.909 231.365 232.177 231.591 231.699 231.080	.6643 .6673 .67717 15.4845 15.5716 15.7188 16.6053 16.6053 16.7091 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.2988 18.7306	*12792 10601 108618 *1903 *70635 *60218 *50657 *81909 *70628 *60241 *50681 *70664 *60250 *94027 *81923 *60245	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11C3 .10C3	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12138 .12226 .13053	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14 .12 .11
102092 102092 106032 106031 106030 106029 106027 106026 106025 106025 106022 105022 105021 106019 106019 106017 105015 105016	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.139 11.136 17.136 1	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.097 233.165 232.487 231.909 231.355 232.750 232.770 231.591 231.591 231.591 231.591 231.591 231.591	.6643 .66717 15.4845 15.5716 15.6504 15.7188 16.6653 16.6653 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.790 18.2098 18.7306 18.7610	*12792 *106011 *38618 *81903 *70635 *60218 *50657 *81909 *70628 *60241 *50681 *50681 *70664 *60250 *74027 *81923 *70643 *60260 *70643 *60260 *70649 *70649 *70649 *70649	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11C13 .11C13 .11C149 .12111 .12149 .12188 .12218 .13078	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12138 .12226 .13053 .13083	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.06 .36 .30 .21 .14 .12 .11 .04 .0510
102093 102092 106032 106031 106030 106029 106026 106025 106025 106024 106022 105021 105020 106019 106019 106017 105015 105016	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 15.611 16.607 16.608 25.127 25.126 25.127 25.126 34.095 34.084	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.554 231.997 233.165 232.487 231.909 231.365 232.770 231.591 231.591 231.699 231.591 231.699 231.699 231.699 231.699	.6643 .6673 .67717 15.4845 15.5716 15.7188 16.6053 16.6053 16.7091 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.2988 18.7306	*12792 10601 108618 *1903 *70635 *60218 *50657 *81909 *70628 *60241 *50681 *70664 *60250 *94027 *81923 *60245	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11C3 .10C3	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12138 .12226 .13053	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14 .12 .11
102092 102092 106032 106031 106030 106029 106027 106026 106025 106025 106022 105022 105021 106019 106019 106017 105015 105016	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 15.611 16.607 16.608 25.127 25.126 25.127 25.126 34.095 34.084	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.554 231.997 233.165 232.487 231.909 231.365 232.770 231.591 231.591 231.699 231.591 231.699 231.699 231.699 231.699	.6643 .6673 .6673 .6771 15.4845 15.5716 15.6504 15.7188 16.6650 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.1790 18.7902	.12792 .10601 .38618 .81903 .70635 .60218 .50657 .81999 .70628 .60241 .50681 .9405	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11068 .11101 .12111 .12149 .12188 .12218 .13078 .13098	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12139 .12188 .1226 .13053 .13083 .13141	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .20 .21 .14 .12 .11 .04 .051003
102093 102092 106032 106031 106030 106029 106028 106025 106025 106024 106023 106022 105020 106019 106019 106017 105015 106014 106014	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 11.136 12.129 12.129 25.125 34.095 34.095 34.086	230.825 230.064 229.455 233.130 232.436 231.797 231.229 232.796 232.596 231.554 231.097 233.165 232.487 231.909 231.365 232.487 231.909 231.365 232.177 231.591 231.049 233.080 232.471 231.872 231.872	.6643 .6693 .6717 15.4845 15.5716 15.6504 15.7188 16.6653 16.7091 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.1790 18.7902 18.7902 18.7902	.12792 .10601 .3618 .91903 .70635 .60218 .50657 .81909 .70628 .60241 .50681 .94057 .81914 .70664 .60250 .94027 .81923 .70643 .60245 1.06799 .93926 .81768 .70529	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11031 .11068 .11701 .12111 .12149 .12188 .12218 .13078 .13078 .13146	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12188 .1226 .13053 .13083 .13141 .13199	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14 .12 .11 .04 .051003 .06
102093 102092 106032 106031 106030 106029 106026 106025 106024 106023 106021 106020 106019 106019 106015 106014 106014 106013 106012	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 16.611 16.607 16.608 25.127 25.129 25.125 34.095 34.095 34.086 42.991	230.825 230.064 229.445 231.797 231.729 232.796 232.796 231.554 231.097 231.365 232.487 231.909 231.365 232.750 231.909 231.365 232.750 231.909 231.365 232.770 231.591 231.691 231.691 231.691 231.691 231.691 231.691 231.691	.6643 .6673 .67717 15.4845 15.5716 15.7188 16.6053 16.6053 16.7091 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.1790 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306	.12792 .10601 .38618 .81903 .70635 .60218 .50657 .81909 .70628 .60241 .50681 .94054 .60250 .94027 .81923 .70643 .60245 1.06799 .93926 .81768 .70529	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11031 .11038 .11031 .12111 .12149 .12188 .12218 .13078 .13098 .13146 .13195 .13980	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12138 .12226 .13053 .13083 .13141 .13199 .13960	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14 .12 .11 .04 .051003 .06 .10
102093 102092 106032 106033 106039 106029 106027 106026 106025 106025 106021 105022 105021 105020 106019 106019 106016 106014 106014 106014 106014 106014 106014	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 16.611 16.607 16.608 25.127 25.125 25.125 34.095 34.084 34.086 42.991 42.991	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.554 231.099 231.555 232.487 231.909 231.355 232.750 232.770 231.591 231.591 231.591 231.591 231.591 231.591 231.591	.6643 .66737 15.4845 15.5716 15.6504 15.7188 16.6653 16.6653 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.7902 18.7902 18.7902 18.7902 18.7902 18.7902	.12792 .10601 .3618 .91903 .70635 .60218 .50657 .81909 .70628 .60241 .50681 .94057 .81914 .70664 .60250 .94027 .81923 .70643 .60245 1.06799 .93926 .81768 .70529	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11031 .11068 .11701 .12111 .12149 .12188 .12218 .13078 .13078 .13146	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12188 .1226 .13053 .13083 .13141 .13199	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14 .12 .11 .04 .051003 .06
102093 102092 106032 106033 106039 106029 106027 106026 106025 106025 106021 105022 105021 105020 106019 106019 106016 106014 106014 106014 106014 106014 106014	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 16.611 16.607 16.608 25.127 25.125 25.125 34.095 34.084 34.086 42.991 42.991	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.554 231.099 231.555 232.487 231.909 231.355 232.750 232.770 231.591 231.591 231.591 231.591 231.591 231.591 231.591	.6643 .66737 15.4845 15.5716 15.6504 15.7188 16.6653 16.6653 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.7902 18.7902 18.7902 18.7902 18.7902 18.7902	.12792 .10601 .38618 .81903 .70635 .60218 .50667 .81909 .70628 .60241 .50681 .9405 .81914 .70664 .60250 .94027 .81923 .70643 .60245 .70649 .93926 .81768 .70529 .70	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11C13 .11C3	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12138 .12226 .13053 .13083 .13141 .13199 .13960 .14000	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.06 .36 .30 .21 .14 .12 .11 .04 .051003 .06 .10
102093 102092 106032 106031 106030 106029 106026 106025 106025 106022 105021 105020 106019 106019 106015 106016 106014 106014 106013 106012	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 11.136 12.127 25.127 25.127 25.125 34.095 34.095 34.084 34.086 42.991 42.991	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.554 231.909 231.555 232.487 231.909 231.591	.6643 .6673 .6673 .6673 .6771 15.4845 15.5716 15.6504 16.6650 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.1790 18.7902 18.7306 18.7410 18.7902 18.8184 19.2563 19.2899 19.3068	.12792 .10601 .38618 .81903 .70635 .60218 .50657 .81909 .70628 .60241 .50681 .9405	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11068 .11701 .12111 .12149 .12188 .12218 .13078 .13098 .13146 .13195 .13980 .14007	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12188 .12226 .13053 .13141 .13199 .13960 .14009	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .20 .21 .14 .12 .11 .04 .051003 .06 .10
102093 102092 106032 106031 106030 106029 106026 106025 106025 106024 106022 105021 105020 106019 106019 106011 106014 106013 106012 106011 106012	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 11.136 15.607 16.608 25.127 25.129 25.125 34.095 34.095 34.086 42.991 42.991 42.991	230.825 230.064 220.455 233.130 232.436 231.797 231.2796 232.796 232.796 231.554 231.097 233.165 232.487 231.909 231.365 232.477 231.591 231.049 233.080 232.471 231.872 231.308 232.742 231.308 232.742 231.308	.6643 .6673 .6717 15.4845 15.5716 15.6504 15.7188 16.6650 16.7091 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1790 18.1790 18.2098 18.7306 18.7402 18.8184 19.2563 19.2899 19.3068 19.3187	.12792 .10601 .381903 .70635 .60218 .50657 .81999 .70628 .60241 .50681 .94057 .81914 .70664 .60250 .94027 .81923 .70643 .60245 1.06799 .93926 .81768 .70529 1.06674 .93725 .816664 .70465	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11031 .11068 .11701 .12111 .12149 .12188 .13078 .13078 .13098 .13146 .13195 .13980 .14007 .14060 .14001	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12138 .1226 .13053 .13083 .13141 .13199 .13960 .14009	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14 .12 .11 .04 .051003 .06 .1005 .1638
102093 102092 106032 106031 106030 106029 106026 106025 106025 106022 105021 105020 106019 106019 106019 106011 106014 106014 106012	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 11.136 12.127 25.127 25.127 25.125 34.095 34.095 34.084 34.086 42.991 42.991	230.825 230.064 229.445 231.797 231.729 232.796 232.796 231.554 231.554 231.555 232.487 231.909 231.365 232.477 231.909 231.550 232.477 231.591 231.692 232.471 231.872 231.872 231.872 231.872 231.909 233.680 232.471 231.872 231.996 231.996 231.996 231.996 231.996 231.996 231.996 231.996	.6643 .6673 .6717 15.4845 15.5716 15.6504 15.7188 16.6650 16.7091 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1790 18.1790 18.2098 18.7306 18.7402 18.8184 19.2563 19.2899 19.3068 19.3187	.12792 .10601 .38618 .81903 .70635 .60218 .50657 .81909 .70628 .60241 .50681 .9405	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11068 .11701 .12111 .12149 .12188 .12218 .13078 .13098 .13146 .13195 .13980 .14007	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12188 .12226 .13053 .13141 .13199 .13960 .14009	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .20 .21 .14 .12 .11 .04 .051003 .06 .10
102093 102092 106032 106033 106039 106028 106026 106025 106026 106025 106021 105020 106019 106019 106019 106013 106014 106013 106012 106011 106011 106011 106011 106011 106011 106010 106010 106010 106000	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 11.136 12.136 12.136 13.136 14.611 16.611 16.607 16.608 25.127 25.129 25.125 34.095 34.095 34.086 42.991 42.991 42.991 51.850	230.825 230.064 229.445 231.797 231.729 232.796 232.796 231.554 231.554 231.555 232.487 231.909 231.365 232.477 231.909 231.550 232.477 231.591 231.692 232.471 231.872 231.872 231.872 231.872 231.909 233.680 232.471 231.872 231.996 231.996 231.996 231.996 231.996 231.996 231.996 231.996	.6643 .6673 .6777 15.4845 15.5716 15.6504 16.6053 16.6053 16.6053 16.7391 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 18.7306 19.2563 19.2563 19.3068 19.3068	.12792 .10601 .38618 .81903 .70635 .60218 .50657 .81909 .70628 .60241 .50681 .94054 .81914 .70664 .60250 .94027 .81923 .70643 .70643 .70529 .70529 .70529 .70529 .70529 .70529 .70529 .70529 .70529 .70529 .70465 .70529 .70465 .70465 .70465	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11031 .11068 .11101 .12111 .12149 .12188 .12218 .13078 .13078 .13146 .13195 .13980 .14007 .14060 .14061	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01961 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12138 .12226 .13053 .13083 .13141 .13199 .13960 .14005 .14005	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14 .12 .11 .04 .051003 .06 .1005 .1638 .12
102093 102092 106032 106031 106030 106029 106027 106026 106025 106025 106021 105022 105021 105020 106019 106019 106011 106014 106011 106010 106010 106010 106010 106010 106010 106000 106010	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 11.136 11.136 12.127 25.129 25.126 25.125 34.095 34.084 34.084 34.084 34.0891 42.991 42.991 42.991 42.991 51.840	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.097 233.165 232.487 231.909 231.550 232.750 232.770 231.591	.6643 .66737 15.4845 15.5716 15.6504 15.716 16.7691 16.7691 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.7902 18.7902 18.7902 18.7902 18.7902 18.7902 18.7902 18.7902 18.7902 18.7902 19.3068 19.3068 19.3068 19.6916	.12792 .10601 .38618 .81903 .70635 .60218 .50687 .81909 .70628 .60241 .50681 .9405 .81914 .70664 .60250 .94027 .81923 .70643 .70643 .70529 .81768 .70529 .70	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11C3 .10C3	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12188 .12226 .13053 .13083 .13141 .13199 .13960 .14000 .14059 .14078	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.06 .36 .30 .21 .14 .12 .11 .04 .051003 .06 .1005 .1638 .12 .28
102093 102092 106032 106031 106030 106029 106026 106025 106025 106022 105021 105020 106019 106019 106019 106011 106014 106014 106010 106010 106010 106010 106010 106010 106010 106000 106000 106000 106000 106000	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 11.136 11.136 12.127 25.127 25.127 25.125 34.095 34.086 42.991 42.991 42.991 42.991 42.991 51.850 51.850	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.554 231.909 231.555 232.487 231.909 231.375 232.177 231.591 231.591 231.591 231.591 231.591 231.591 231.591 231.591 231.611 231.308 232.471 231.308 232.471 231.308 232.471 231.308 232.471 231.308 232.471 231.308 232.742 231.996 231.996 231.996 231.930	.6643 .6673 .6673 .6673 .67716 15.4845 15.5716 15.7188 16.6650 16.7671 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.1790 18.7306 18.7306 18.7306 18.7306 19.2563 19.2563 19.3187 19.368 19.3187 19.6684 19.66916 19.7156	.12792 .10601 .38618 .81903 .70635 .60218 .50657 .81909 .70628 .60241 .50681 .9405 .81914 .70664 .60250 .94027 .81923 .70643 .60245 1.06799 .93926 .81768 .70529 .81768 .70529 .81768 .70529 .81768 .70529 .81768 .70529 .81768 .70529 .81768 .70465 .8106585 .93665	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11068 .11101 .12149 .12188 .12188 .12218 .13078 .13098 .13146 .13195 .1398 .13146 .13195 .14060 .14061 .14746 .14746 .14803 .14840	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .099125 .099179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12188 .12226 .13053 .13083 .13141 .13199 .13960 .14005 .14059 .14075 .14786 .14834	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14 .12 .11 .04 .051003 .06 .1005 .1638 .12 .28 .29
102093 102092 106032 106031 106030 106029 106027 106026 106025 106025 106021 105022 105021 105020 106019 106019 106011 106014 106011 106010 106010 106010 106010 106010 106010 106000 106010	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 11.136 11.136 12.129 25.129 25.126 25.125 34.095 34.084 34.084 34.084 34.0891 42.991 42.991 42.991 42.991 51.840	230.825 230.064 229.445 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.097 233.165 232.487 231.909 231.550 232.750 232.770 231.591	.6643 .6673 .67717 15.4845 15.5716 15.7188 16.6053 16.6053 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.1790 18.7306 18.7610 18.7902 18.7306 18.7902 19.2563 19.2563 19.2563 19.3187 19.6684 19.6684 19.7328	*12792 10601 10601 *1903 *70635 *60218 *50657 *81909 *70628 *60241 *70664 *81914 *70664 *81914 *70664 *81923 *70643 *70645 *10679 *93926 *81768 *70529 *106674 *20363 *106674 *31696 *70465 *106675 *31696 *70465 *31696 *70465 *31696 *70465 *31696 *70465 *31696 *70465 *31696 *70465 *31696	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11C3 .10C3	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12188 .12226 .13053 .13083 .13141 .13199 .13960 .14000 .14059 .14078	.504315 2.39 2.09 2.01 1.93676593 1.08663630211412110405100306100516381228
102093 102092 106032 106031 106030 106029 106026 106025 106025 106022 105021 105020 106019 106019 106019 106011 106012 106011 106001 106000 106000 106000 106000 106000 106005	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 11.136 11.136 11.136 15.607 16.608 25.127 25.129 25.129 34.095 34.095 34.086 42.991 42.991 42.991 51.850 51.8831 51.825	230.825 230.064 229.455 233.130 232.436 231.797 231.279 232.776 232.785 231.554 231.554 231.554 231.909 231.365 232.487 231.909 231.591 231.677 231.591 231.672 231.672 231.308 232.471 231.308 232.471 231.308 232.471 231.308 232.471 231.308 232.471 231.308 232.471 231.308 232.471 231.308 232.471 231.308	.6643 .6673 .67717 15.4845 15.5716 15.7188 16.6053 16.6053 16.7471 17.2892 17.3361 17.3755 17.4131 18.1130 18.1459 18.1790 18.7306 18.7610 18.7902 18.7306 18.7902 19.2563 19.2563 19.2563 19.3187 19.6684 19.6684 19.7328	*12792 10601 10601 *1903 *70635 *60218 *50657 *81909 *70628 *60241 *70664 *81914 *70664 *81914 *70664 *81923 *70643 *70645 *10679 *93926 *81768 *70529 *106674 *20363 *106674 *31696 *70465 *106675 *31696 *70465 *31696 *70465 *31696 *70465 *31696 *70465 *31696 *70465 *31696 *70465 *31696	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11068 .11101 .12111 .12149 .12188 .12218 .13078 .13098 .13146 .13195 .13998 .13146 .13195 .14060 .14060 .14061 .14746 .14863 .14840 .14853	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12138 .1226 .13053 .13083 .13141 .13199 .13960 .14059 .14059 .14078 .14719 .14785 .14834 .14854	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14 .12 .11 .04 .051003 .06 .1005 .1638 .12 .28 .29 .21
102092 102092 106032 106031 106030 106029 106027 106026 106025 106022 106022 106022 106021 106019 106019 106019 106016 106016 106016 106016 106010 106000 106000 106000 106000 106000 106000 106005 106005	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.139 11.136 16.611 16.607 16.628 25.127 25.129 25.125 34.095 34.095 34.084 34.086 42.991 42.991 42.991 42.991 42.991 42.991 42.991 51.850 51.831 51.825 61.301	230.825 230.064 229.455 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.555 231.555 231.556 231.556 231.550 231.650 231.650 231.650 231.690	.6643 .6673 .66717 15.4845 15.5716 15.6504 15.716 16.7091 16.7471 17.2892 17.3361 17.3755 18.1130 18.1459 18.1790 18.7908 18.7306 18.7908 18.7908 19.2563 19.2899 19.3068 19.4684 19.6684 19.6916 19.7156	.12792 .106011 .38618 .81903 .70635 .60218 .506F7 .81909 .70628 .60241 .50681 .940F4 .81914 .70664 .81923 .70643 .70645 .70679 .93926 .81768 .70529 .70643 .70529 .706674 .70529 .70465	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11031 .11068 .11101 .12111 .12149 .12188 .12218 .13078 .13078 .13146 .13195 .13980 .14007 .14060 .14746 .14853 .15690	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12138 .12226 .13053 .13083 .13141 .13199 .13960 .14005 .14059 .14719 .14786 .14834 .14854	.504315 2.39 2.09 2.01 1.93676593 1.086636302114121104051003061005100306100512282921 1.72
102093 102092 106032 106031 106039 106029 106027 106026 106025 106025 106022 105021 105022 105021 105020 106019 106019 106011 106014 106011 106001 106001 106000 106000 106005 106005 106005	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 1	230.825 230.064 229.445 233.130 232.4436 231.797 231.229 232.796 232.796 231.554 231.097 233.165 232.487 231.909 231.355 232.477 231.591	.6643 .66737 15.4845 15.5716 15.6504 15.716 16.6053 16.6650 16.7091 16.7291 17.3361 17.3755 17.4131 18.1130 18.1459 18.1790 18.2098 18.7306 18.7610 18.7902 18.8184 19.2563 19.3069 19.3069 19.3187 19.6916 19.7156 19.7328	.12792 .106011 .38618 .81903 .70635 .60218 .50687 .81909 .70628 .60241 .50681 .9405 .81914 .70664 .60250 .94027 .81923 .70643 .70643 .70529 .81768 .70529 .81768 .70529 .81768 .70529 .81676 .81632 .81676 .81632 .81676 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81632 .81686 .81632 .81686 .81632 .81686 .8	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C4 .12C1	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12188 .12226 .13053 .13083 .13141 .13199 .13960 .14000 .14059 .14079 .14719 .14785 .14834 .14854 .15666	.504315 2.39 2.09 2.01 1.93676593 1.06363021141211040510030610051638282921 1.2257
102093 102092 106032 106031 106030 106029 106026 106025 106025 106022 105021 105020 106019 106019 106019 106011 106010 106010 106010 106010 106000 106000 106005 106005 106005 106005 106000 106001	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.139 11.136 16.611 16.607 16.628 25.127 25.129 25.125 34.095 34.095 34.084 34.086 42.991 42.991 42.991 42.991 42.991 42.991 42.991 51.850 51.831 51.825 61.301	230.825 230.064 229.455 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.555 231.555 231.556 231.556 231.550 231.650 231.650 231.650 231.690	.6643 .6673 .66717 15.4845 15.5716 15.6504 15.716 16.7091 16.7471 17.2892 17.3361 17.3755 18.1130 18.1459 18.1790 18.7908 18.7306 18.7908 18.7908 19.2563 19.2899 19.3068 19.4684 19.6684 19.6916 19.7156	.12792 .106011 .38618 .81903 .70635 .60218 .506F7 .81909 .70628 .60241 .50681 .940F4 .81914 .70664 .81923 .70643 .70645 .70679 .93926 .81768 .70529 .70643 .70529 .706674 .70529 .70465	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11031 .11068 .11101 .12111 .12149 .12188 .12218 .13078 .13078 .13146 .13195 .13980 .14007 .14060 .14746 .14853 .15690	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .01973 .09125 .09179 .09247 .09306 .10137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12138 .12226 .13053 .13083 .13141 .13199 .13960 .14005 .14059 .14719 .14786 .14834 .14854	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.08 .66 .36 .30 .21 .14 .12 .11 .04 .051003 .06 .1005 .1638 .12 .28 .29 .21 1.72
102093 102092 106032 106031 106030 106029 106026 106025 106025 106022 105021 105020 106019 106019 106019 106011 106010 106010 106010 106010 106000 106000 106005 106005 106005 106005 106000 106001	1.129 1.130 5.905 5.905 5.904 5.902 11.140 11.136 11.137 1	230.825 230.064 229.455 233.130 232.436 231.797 231.229 232.796 232.796 231.554 231.554 231.555 232.756 232.487 231.909 231.365 232.777 231.591 231.591 231.872 231.872 231.996	.6643 .6673 .6673 .6673 .67716 .15.4845 .15.5716 .15.7188 .16.6650 .16.7091 .17.2892 .17.3361 .17.3755 .17.4131 .18.1130 .18.1459 .18.1790 .18.7902 .18.7306 .18.7410	.12792 .10601 .38618 .81903 .70635 .60218 .50657 .81999 .70628 .60241 .50681 .9405 .81914 .70664 .60250 .94027 .81923 .70643 .60245 .706749 .93926 .81768 .70529 .81768 .70529 .81768 .70529 .81768 .70529 .816769 .70465 .81632 .93655 .81632 .93655 .81632 .93759	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11 C13 .11031 .11068 .11701 .12111 .12149 .12188 .12218 .13078 .13098 .13146 .13195 .1398 .13146 .13195 .14007 .14060 .14001 .14746 .14853 .14840 .14853 .15690 .15619 .15654	.001 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .099125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12188 .12226 .13053 .13083 .13141 .13199 .13960 .14005 .14079 .14079 .14079 .14786 .14834 .14854 .15666 .15665	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.06 .66 .36 .30 .21 .14 .12 .11 .04 .051003 .06 .1005 .1638 .12 .28 .29 .21 1.72 .57
102093 102092 106032 106031 106039 106029 106027 106026 106025 106025 106021 105022 105021 105020 106019 106019 106011 106014 106011 106001 106001 106000 106000 106000 106005 106005 106005	1.129 1.130 5.906 5.905 5.904 5.902 11.140 11.136 1	230.825 230.064 229.445 233.130 232.4436 231.797 231.229 232.796 232.796 231.554 231.097 233.165 232.487 231.909 231.355 232.477 231.591	.6643 .66737 15.4845 15.5716 15.6504 15.716 16.6053 16.6650 16.7091 16.7291 17.3361 17.3755 17.4131 18.1130 18.1459 18.1790 18.2098 18.7306 18.7610 18.7902 18.8184 19.2563 19.3069 19.3069 19.3187 19.6916 19.7156 19.7328	.12792 .106011 .38618 .81903 .70635 .60218 .50687 .81909 .70628 .60241 .50681 .9405 .81914 .70664 .60250 .94027 .81923 .70643 .70643 .70529 .81768 .70529 .81768 .70529 .81768 .70529 .81676 .81632 .81676 .81632 .81676 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81686 .81632 .81632 .81686 .81632 .81686 .81632 .81686 .8	.01970 .01945 .01951 .09147 .09191 .09250 .09301 .10155 .10213 .10286 .10341 .11C13 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C3 .11C4 .12C1	.001 .002 .002 .003 .001 .001 .001 .001 .001 .001 .001	.01978 .01961 .01973 .01973 .09125 .09179 .09247 .09306 .16137 .10205 .10286 .10348 .10988 .11017 .11063 .11104 .12092 .12139 .12188 .12226 .13053 .13083 .13141 .13199 .13960 .14000 .14059 .14079 .14719 .14785 .14834 .14854 .15666	.5043 .15 2.39 2.09 2.01 1.93 .67 .65 .93 1.06 .66 .36 .30 .21 .14 .12 .11 .04 .051003 .06 .1005 .1638 .12 .28 .29 .21 1.22 .57

					Experimental		Adjusted Thermal	Conductivity
Run Pt.	Pressure	Temperature	Density	Power	Thermal Conductivity	STAT	at a Nominal Temperature of 240.3K	Deviation
Kull 1 C.	MPa	K	mol/L	W/m	W/m.K	3141	₩/m.K	percent
102091	.321	242.939	.1630	•15912	•01986	.001	•01956	2.04
102090	.321	241.859	.1640	.13397	.01979	.002	.01962	2.31
102089	.321	240.866	.1647	.11398	•01962	.002	•01956	2.00
102088	• 321	239.863	•1655	•09012	.01966	.003	.01971	2.74
102087 102086	•321 •724	239.204 242.196	•1660 •3829	.07156 .15897	.01944 .02025	.004	.01956 .02004	2.00 1.26
102085	.724	241.208	.3848	.13381	.02017	.003	.02307	1.38
102284	.724	240.354	.3865	.11094	.02015	.003	•02015	1.72
102083	.724	239.533	.3891	.09015	.01998	.003	.02007	1.30
102082	.725	238.821	.3898	.07156	•01991	.003	.02008	1.32
102081 102080	. •993	241.998	•5391	•15913	.02055	•001	.02036	• 57
102079	.995 .996	240.998 240.201	•5432 •5462	.13393 .11099	•02051 •02042	.001	•02044 •02043	• 36 • 80
102078	995	239.670	.5483	.09030	.02030	.002	.02037	.47
102077	.997	238.658	.5518	.07161	•02033	.003	•02051	1.11
102074	1.440	241.644	.8216	.15878	.02134	.001	.02119	•41
102073	1.441	241.011	.8256	.13391	.02131	.001	.02123	•54
102072 102071	1.441	240.858 239.899	.8269 .8331	•13334 •11047	•02121 •02123	.003	•02115 •02128	•13 •53
102075	1.439	239.355	.8334	.09007	.02110	.002	.02121	•30
102075	1.440	238.780	.8370	.07152	.02103	.004	.02120	. 22
102070	1.446	239.446	.8377	.09009	.02150	.003	•92160	2.04
102068	1.729	240.787	1.0277	.13401	.02205	.002	.02200	1.09
102065 102067	1.742 1.731	240.156	1.0423	.11103	•02202	.002	.02204	1.05
102066	1.735	238.854 239.211	1.0442	.07169	.02204 .02178	.006	•02220 •02190	1.75 .40
					Experimental Thermal		Adjusted Thermal	Conductivity
Run Pt.	Pressure	Temperature	Density	Power	Conductivity	STAT	Temperature of 250.2K	
	MPa	K	mol/L	W/m	W/m.K	*	W/m.K	percent
102037	•329	251.829	.1609	.14018	•02049	.002	•02030	•11
102037	• 329	250.779	•1615	.11630	.02049	.001	.02042	.70
102039	.329	249.929	.1621	.09456	.02018	.004	.02021	35
102040	.329	249.098	.1627	.07508	.02012	.304	•02025	18
102036	•990	251.055	.5070	.13990	.02169	•002	•02159	1.46
102035 102034	•980 •930	250.279 249.488	.5090 .5111	.11597	.02132 .02117	.002	.02131 .02125	•14 -•16
102033	991	249.790	.5131	.07480	.02135	.005	.02151	1.03
102031	1.459	251.301	.7933	.15641	.03215	.002	.02202	54
102030	1.470	250.686	.7966	.14010	.02199	.001	.02193	99
102029	1.471	249.890	.8010	.11605	.02194	.002	.02199	85
102032	1.469	249.208	.8029	.09448	.02181	• 002	.02193	-1.11 -1.13
102027 102026	1.945	251.064 250.397	1.1034	•16504 •13984	•02297 •02274	.001	•02287 •02272	-1.88
102028	1.935	248.895	1.1137	.09424	.02275	.003	.02290	-1.14
102025	1.955	249.684	1.1214	.11602	.02294	.002	.02300	81
102024	2.427	251.623	1.4498	.19456	.02446	.002	.02429	05
102023 102022	2.427 2.426	250.606 250.142	1.4618	.15601 .13987	.02430 .02397	.003	•02425 •02398	39 -1.62
102021	2.425	249.239	1.4782	.11589	.02429	.003	.02440	02
					Experimental Thermal		Adjusted Thermal	Daviation
Run Pt.	Pressure	Temperature	Density	ромег	Conductivity	STAT	Temperature of 260.3K	
	MPa	K	mol/L	W/m	W/m.K		W/m.K	percent
102064	• 295	261.833	.1381	.14591	.02185	•002	.02165	1.11
102064	• 295	260.894	.1386	.12098	.02181	.003	•02173	1.44
1.02062	.295	259.945	.1393	.09830	.02160	.002	.02164	1.01
102061	.295	259.442	.1396	.07813	.02155	.003	.02165	1.05
102059	1.032	260.944	.5105	.14599	.02248	.004	.02240	41
102058 102057	1.032 1.032	260.059 259.252	•5129 •5149	.12089 .09827	.02259 .02250	.002	.02261 .02262	•53 •54
102060	1.031	258.692	.5155	.07822	.02252	.003	.02271	92
102055	1.649	261.413	.8538	.17315	.02358	.001	.02344	40
102054	1.649	260.366	.9592	.14596	.02340	.002	.72339	69
102053	1.650	259.761	8525	.12094	.02329	200	.02335	89
102056	1 • 6 4 7 2 • 2 4 3	259.097 261.838	.8645 1.2213	.09842	.02342 .02463	.002	• 92356 • C2444	01 -1.16
102052 102051	2.245	260.965	1.2301	.17322	.02453	.002	.02443	-1.31
102050	2.249	260.135	1.2396	.14597	.02441	.002	.02443	-1.46
102049	2.254	259.454	1.2476	·12084	.02440	.002	.02450	-1.28
102047	2.918	261.353	1.7074	.20300	.02640	•002	•02627	58 - 71
102045 102045	2.921 2.922	260.383 259.751	1.7230 1.7335	.17333	.02633 .02605	.002	.J2632 .02611	71 -1.64
102049	2.914	259.731	1.7344	.12101	.02614	•002	.02617	-1.06
102043	3.518	261.367	2.2144	.23482	.02861	. 202	.02847	.10
102042	3.518	260.687	2.2304	.20265	.02829	.002	.02824	97
102041	3.518	259.991	2.2459	.17317	•02826	•003	.02829 .02795	-1.02 -2.45
102044	3.518	259.421	2.2504	.14590	.02785	.004	106143	C • 7 J

Qun Pt.	Pressure	Temperature K	Density moi/L	Power W/m	Experimental Thermal Conductivity V/m.K	STAT	Adjusted Thermal at a Nominal Temperature of 265.1K W/m.K	Deviation
108030	.322	267.357	.1477	.14932	.02248	.002	•02224	1.02
108029	.322	256 293	.1483	.12372	.02246	.005	.02233	1.45
109028	.322	265.485	.1490	.10057	.02218	.002	.02214	• 59
308027	.323	264.501	.1497	.07982	.02214	.003	.02220	.83
108025	· P11	266.656	.3940	.14917	.02301	.002	.02285	• 76
178024	.811	265.855	.3862	.12375	.02288	.002	.02280	• 5 5
108023	.011	265.087	•3877	.10063	.02279	.002	.02 <i>2</i> 80	•50
108026	.811	264.273	.3888	.07988	.02260	.003	.02269	• 02
108022	1.534	267.124	• 7538	.17718	.02396	.001	.02376	11
108021	1.534	266.261	•7576	.14929	.02390	•002	.02379	04
108020	1.535	265.425	•7713	.12378	.02377	.002	.02374	29
108019	1.536	264.514	•7750	.10058	.02371	.003	.02375	26 -2. 25
108017	2.178 2.178	266.597 265.798	1.1441	•17693 •14903	•02456 •02472	.003	•02443 •02466	-1.36
108017	2.178	265.215	1.1540	.12376	.02436	.003	.02435	-2.70
109015	2.179	264.451	1.1600	.10074	.02435	.003	.02442	-2.51
108014	2.201	265.142	1.1694	.12359	.02473	.002	.02473	-1.34
108012	2.934	266.471	1.6521	.20719	.02636	.002	.02626	-1.70
108011	2.934	265.957	1.5589	.17582	.02637	.002	•02631	-1.61
108010	2.937	265.469	1.5573	•14911	•02615	.003	.02613	-2.44
108009	2.942	264.520	1.6827	.12362	.02635	•006	•02639	-1.52
108007	3.711	266.600	2.2717	.23994	.02901	.002	.02894	50
108006	3.714	265.946	2.2886	.20726	.02865	.003	.02862	-1.89
108005	3.715 3.709	265.377 264.873	2.3025	.17596	.02878 .02867	.002	•02877 •02868	-1.54 -1.96
108008	4.407	264.873	2.3092	•14914 •27450	.02867	.002	.03231	-1.96 -50
108002	4.407	265.907	2.9893	.23956	•03232	.002	•03231	• 24
108003	4.406	265.661	2.9977	.20709	•03217	.002	.03236	47
108004	4.405	265.024	3.0238	.17689	.03202	.004	.03202	-1.35
107059	7.045	262.399	9.8751	.14866	.07653	.054	.07540	6.37
107357	7.046	262.315	9.9054	.12335	.07845	.064	.07733	8 • 62
107056	7.045	262.205	9.9440	.10029	.08237	.086	.08128	12.95
107053	7.257	263.496	9.9785	.31205	•07095	.014	.07010	-1.03
107058	7.945	261.999	10.0167	.07962	•08236	•145	.08131	12.79
107052	7.257	263.195	10.0787	.27463	•07239	•021	.07139	.49
107049	7.398	254.065	10.0859	.39410	. 36 967	.011	.06914	-2.76
107045	7.391	263.720	10.1833	.35161	.07109	•015	.07039	-1.21
107051	7.257 7.257	262.817 262.786	10.2035	.23940 .20679	.07319 .07505	.026	•07207 •07394	1.09 3.56
107054	7.257	252.704	10.2397	.17598	•07553	.042	.07444	4.14
107055	7.257	262.621	10.2564	.14890	.08022	.055	.07915	9.78
107044	7.392	263.398	10.2856	.31183	.07168	.017	.07083	87
107046	7.391	263.249	10.3306	.27455	.07315	.019	.07223	. 97
197047	7.391	263.055	10.3913	.23984	.07412	.025	.07311	2.01
107048	7.391	262.817	10.4659	.20686	. 37496	•032	.07391	2.89
107042	7.779	264.668	10.5939	.48508	•07066	•009	.07046	-2.18
107041	7.779	264.374	10.6756	.43ª23	.07103	.010	.07071	-2.02
107036 107040	7.982 7.779	255.346 264.050	10.7235	.58650 .39368	.07061	•006	.07069	-2.16
107038	7.981	265.063	10.7965	.53458	•07233 •07057	.011	.07188 .07054	57 -2.55
107039	7.779	263.845	10.8213	35145	.07308	.015	•07255	.23
107035	7.931	264.725	10.8841	.48521	.07140	.009	.07124	-1.75
107043	7.77R	263.387	10.9456	.31178	.07225	.017	.07154	-1.45
107034	7.931	264.156	11.0310	•39389	.07218	.010	.071 81	-1.28
107037	7.981	263.797	11.1230	•35153	.07245	.015	.07195	-1.29
107023	8.754	266.055	11.4965	•63966	•07204	-002	.07229	-1.71
107032	P.754	265.634	11.5848	•58783	.07250	.002	.07263	-1.46
107031 107030	8.755 8.757	265.162 264.569	11.6844 11.8065	•53458	.07237	.002	.07238	-2.09
107029	8.757			48509	.07260	•002	.07245	-2.32
107028	10.240	264.556 266.433	11.8090 12.5687	.43822 .69714	.07233 .07530	.004 .)02	.07218 .07547	-2.72 62
197027	10.240	266.115	12.5173	.64048	.07520	.001	.07532	-1.22
107025	10.240	265.653	12.6876	.58548	• 07532	.061	.07538	-1.44
107025	10.239	265.154	12.7621	48553	.07605	.001	.07606	97
107024	12.751	257.175	13.6121	.81311	.08069	.001	.08071	• 43
107023	12.762	266.284	13.7125	•59736	.08069	.001	.06070	24
107022	12.760	265.545	13.7830	.58571	.28130	.001	.08130	.03
107021	12.761	264.809	13.8754	.48530	.08143	.201	•0 R143	45
107020	16.768	267.684	14.5637	•94540	.08788	.001	.08770	. 76
107019 107018	16.748 15.769	264.850	14.7335	·81535	•08F25	.001	.08812	• 63
107017	16.771	266.125 265.494	14.7959	.58560	.0F814	.001	.08807	.02
107017	22.927	267.293	15.7459	.94637	.08952 .09743	.001	.08949 .09716	1.14
107015	22.825	266.555	15.7946	.8166P	.09743	.001	.09716	.38
107014	22.830	255.929	15.8433	.69642	.09801	.301	.09792	. 41
107013	22.829	255.155	15.8876	.58596	.09818	.001	.39318	.71
107012	31.587	267.539	16.7457		.10845	.001	.10808	.3 6
107013	31.594	254.918	16.7799	. 94 56 4	.10842	.001	.10815	. (6
107010	31 • 5 8 6	265.000	16.8253	.81735	.10897	.001	.10982	. 17
107009	31.586	265.365	15.8537	.69662	.10941	.001	.10938	. 24
107008	44.682	266.853	17.8265	T*UND44	.12218	.001	.12189	24

107007	44.675	266.103	17.8595	.94672	.12265	.001	.12248	15
107006	44.680	265.476	17.8878	.81704	.12312	.001	.12306	02
107005 107004	44.679 61.047	264.903 267.083	17.9133	.69633	•12333 •13724	.001 .001	•12337 •13688	07 .13
107003	61.058	266.351	18.7768		.13753	.001	.13731	•10
107002	51.077	265.603	18.8062	.94627	.13762	.001	•13753	10
107001	61.059	264.977	18.8298	.81626	.13805	.001	•13808	.01
					Experimental		Adjusted Thermal	
Pun Pt.	Pressure	Temperature	Density	Power	Thermal Conductivity	STAT	at a Nominel Temperature of 269.3K	Oeviation
*(1) *(.	MP8	K	mol/L	W/m	W/m.K	STAT	W/m.K	percent
98258 98257	.425 .425	272.605 271.669	•1921 •1926	.15236 .12614	.02308 .02292	.001	•02269 •02264	. 44 . 22
98256	.424	270.755	.1931	.10260	.02277	.002	.02260	.02
98255	.424	269.946	.1938	.08151	.02274	.003	.02267	.29
98149 98150	.869 .859	271.155 270.310	.4061 .4077	.15138	.02342	.001	.02321 .02315	.10 19
98151	869	269.464	.4092	.10202	.02321	.002	.02319	01
98152	.869	268.731	.4105	.08107	.02303	.003	.02309	45
98254 98253	.942 .941	272.980 272.033	.4384 .4400	.18030 .15188	.02388 .02374	.001	.02346 .02343	•78 •63
78252	.941	271.369	•4411	.12584	.02344	.002	.02321	34
98251	.941	270.411	.4430	.10229	.02340	.002	.02328	06
98250 98145	2.010 1.989	273.090 270.328	1.0047	.21138	.02528 .02459	.001	•02488 •02448	23 -1.88
98146	1.987	269.639	1.0102	.12554	02454	.002	.02451	-1.83
98249	2.011	272.162	1.0104	.18053	.02516	.001	.02486	38
98147 98248	1.985 2.013	269.078 271.366	1.0125	.10213 .15194	.02455 .02499	•002 •002	•02457 •02478	-1.58 79
98148	1.984	268.431	1.0155	.08107	.02432	.003	.92441	-2.30
98247	2.014	270.614	1.0205	.12598	.02507	.004	•02493	20
98245 98245	2.797 2.798	272.468 271.695	1.4915	.21135 .18037	.02663 .02661	.002	•02633 •02639	62 51
98141	2.783	270.035	1.5070	.15132	.02615	.002	.02608	-1.77
98244	2.799	270.725	1.5106	.15198	.02656	•002	.02643	48
98142	2.780 2.802	269.292	1.5120	.12549	.02594	.002	•02594	-2.39 -1.44
98243	2.777	270.296 268.625	J.5168 1.5171	.12578 .10192	.07629 .02574	.002	.02620 .02580	-3.01
98144	2.775	269.214	1.5201	.08100	.02570	.004	•02580	-3.07
98242	3.430 3.432	271.957 271.262	1.9435	.21140	.02815 .02810	.002	•02794 •02794	45 61
98240	3.424	270.588	1.9690	15192	.02789	.002	.02779	-1.33
08239	2.438	270.075	1.9794	.12615	.02781	.002	• 02775	-1.63
98137 98138	3.444	269.675 268.996	1.9906	.15143	.02779 .02748	.002	•02776 •02750	-1.73 -2.84
98139	3.443	268.369	2.0115	.10213	.02760	.003	.02767	-2.36
98140	3.443	267.981	2.0182	.08107	.02761	.004	.02770	-2.31
98132 98238	3.972 4.037	271.26° 272.359	2.3952	.24285	.03011 .03016	.002	.02998 .02996	•62 •13
98133	3.972	269.797	2.4300	.17914	.02994	.002	.02991	10
98237	4.038	271.524	2.4465	.21131	.03024	.003	.03010	• 32
98134 98236	3.972 4.040	268.673	2.4578 2.4652	.12510	.02964 .02992	.002	•02967 •02983	-1.27 85
98135	3.972	268.123	2.4718	.10170	.02947	.004	.02953	-1.95
98136	3.972	267.669	2.4836	.08077	.02962	.004	.02970	-1.53
98235 98234	4.041 4.478	270.053 272.358	2.4859 2.8325	•15177 •28182	.03015 .03211	.003	.03011 .03197	20 1.03
98233	4.470	271.721	2.8539	.24590	.03201	.002	.03190	•53
99232	4.490	270.942	2.8810	.21206	.03182	.003	.03175	31
98231 98128	4.482 4.535	270.312 270.479	2.9045 2.9550	.18092 .24328	.03162 .03341	.004	.03158 .03337	-1.19 3.55
98120	4.535	269.839	2.9785	.21006	.03362	.003	.03360	3.90
98130	4.535	269.320	2.9981	.17940	.03354	•003	.03354	3.45 3.62
98131 98227	4.536 4.064	268.735 272.284	3.0207 3.3509	.15116 .31913	.03369 .03480	.003 .006	.03370 .03474	2.01
98124	4.923	270.732	3.3770	.27872	.03565	.003	.03563	4.09
98125	4.923	270.260	3.4003	.24335	•03573	.003	.03572	4.01
98228 98126	4.963 4.923	270.946 269.581	3.4144	.24516 .21019	.03427 .03585	.010	.03425 .03585	31 3.87
98229	4.953	270.495	7.4369	.21205	.03471	.003	.03470	•67
98230	4.962	270.046	3.4586	.18105	.03463	.005	•03463	•14
98127 98120	4.923 5.083	269.081	3.4614 3.5872	.17932 .27682	.03566 .03666	.004	.03556 .03665	2.99 3.91
99121	5.083	269.952	3.6183	. 24343	. 23649	. 304	.03549	3.03
08122	F.083	269.323	3.4559	.21008	.03656	.003	•03656 03651	2.67
98123 98223	5.083 5.264	268.979 271.128	3.6770 3.7857	.17948 .28049	.03652 .03737	.002	.03651 .03740	2 • 25 3 • 02
28224	5.263	276.724	3.9097	.24511	.03533	.019	.03535	-2.94
98225	5.252	270.210	3.8423	.21185	.03672	.005	.03674 .03662	• 47 <b>-</b> • 19
99226	5.241 5.549	269.839 270.144	3.9660 4.2749	.18103 .27840	.03661 .03975	.009 .004	.03980	2.07
98117	5.549	269.492	4.3336	.24301	.04034	.306	.04035	2.58
982 <b>1</b> 9 982 <b>2</b> 0	5.500 5.587	270.145 259.676	4.3367	.24503 .21157	.03971 .04030	•004 •003	.03976 .04033	1.09
70660	2.001	C.3 4 0 0 (1)	7.3.70	• ~ 1 1 / /	.04030	, ,	• ~ 10 33	2,00

00110	5.549	268.983	4.3817	.20991	.03991	.004	.03989	.74
98118					.03983	.004	.03977	17
98119	5.549	268.555	4.4239	.17941				
982?1	F.587	269.179	4.4259	.18072	.04007	.004	.04005	. 53
98222	5.585	258.937	4.4492	.15245	.04042	.005	.04039	1.00
	5.808	269.744	4.7555	.27816	.04094	.004	.04093	-2.06
98112								
98113	5.808	269.032	4.8406	.247R3	.04169	.005	.04165	-1.66
98114	5.808	268,498	4.9284	.20980	.04174	.002	.04154	-2.71
98218	5.873	269.482	4.9090	.21159	.04301	.003	.04303	.60
98115	5.808	268.194	4.9487	.17927	.04199	.005	.C4185	-2.61
98217	5.873	269.052	4.9652	.18071	.04303	.005	.94300	29
98215	5.874	268.579	5.0296	.15219	.04342	.035	.04332	-,48
			5.0678	.12618	.04402	.004	.04388	. 25
98215	5.874	268.311						
98110	5.084	269.742	5.0917	.31612	.04330	.003	.34336	-1.30
98109	5.994	269.255	5.1598	.27805	.04323	•003	.04322	-2.61
98211	6.042	269.124	5.3009	.21124	.04462	.005	.04459	-1.49
					.04413	.003	.04393	-3.42
98111	5.984	258.136	5.329F	.17925				
98212	6.042	268.795	5.3514	.18065	.04493	.005	• 3 4 4 8 5	-1.63
98213	6.042	268.530	5.3930	.15221	.04612	.003	.04599	•31
98214	6.041	269.311	5.4282	.12630	.04581	.006	.04564	96
							.04842	20
98210	6.233	268.681	5.8034	•18067	.04855	.034		
98209	6.234	268.474	5.8448	.15219	.04934	.303	.04716	.76
98103	6.232	248.222	5.8891	.20979	.04707	.004	.04583	+4.80
98208	5.234	268.062	5.9261	.12622	. 05021	.005	.04993	1.21
								-4.87
98104	6.232	267.902	5.9525	.17919	.04752	.004	.04719	
98207	5.234	267.845	5.9711	.10255	.05053	. 3 2 5	.05019	1.14
98105	6.232	267.660	5.0027	.15108	.04776	.006	.04731	-5.32
98106	6.232		5.0500	.12528	.04949	.005	.04903	-2.25
		267.437						
98206	6.435	268.599	5.3099	.18090	.05104	.009	.05086	-1.90
98099	6.396	268.015	4.3425	.23995	.05054	.004	.35019	-3.67
98205	6 • 435	268.343	6.3670	.15245	.05315	.004	.05289	1.32
98204	6.435	267.994	6.4473	.12512	.05396	.008	.05360	1.64
98100	5.395	267.547	6.4515	.17926	.05117	.003	.05057	-4.09
98101	5.395	267.500	5.4619	.15109	.05175	.004	.05124	-3.06
					.05359		.05317	.34
98203	6.436	267.821	6.4899	.10262		.011		
98102	6.396	267.248	5.5229	.12534	.05257	.304	.05196	-2.39
98095	6.493	268,284	5.5273	.24224	.05237	.005	.05208	-2.20
98094	6.493	268.182	6.5520	.20943	.05237	.004	.05205	-2.57
							.05450	. 92
98202	6.583	268.745	6.6480	.21114	.05466	.004		
98095	5.493	267.676	6.6750	.17874	.05366	•004	.05317	-1.89
98201	5.583	268,533	6.5987	.18052	.05502	<b>.</b> 904	.05479	.86
98097	6.493	267.422	A.7390	.15051	.05416	.004	.C=357	-1.67
98200	5.583	258.219	6.7758	.15203	.05516	•309	.05483	. C 4
98098	6.493	267.233	6.7874	.12484	.05590	• 0 0 5	.05524	. 65
98199	6.583	268.057	5.8172	.12526	.05679	.006	.05540	2.37
98198	5.799	268.805	7.1829	.21150	.05830	.004	.05814	1.44
98197	6.799	268.433	7.2818	.18059	.OFR69	.004	.0.5840	. 57
98196	6.800	263.171	7.3525	.15221	.05984	.005	.05945	1.93
98194	6.079	268.578	7.6984	.21131	.05118	.003	.36092	1.11
98193			7.7090				.06115	1.38
	6.979	268.540		.18064	.06142	.004		
98089	6.889	267.591	7.7450	.20994	.06044	.004	.35979	-1.17
98192	6.979	268.278	7.7824	.15217	.06242	.005	.06204	2.17
98191	6.979	268.142	7.8219	.12527	.06389	.005	.06345	4.02
98090	5.898	257.287	7.8338	.17912	.06165	.003	.06087	16
98091	6.887	267.114	7.8843	.15109	•06320	.005	•06234	1.78
98187	7.157	269.250	7.9473	.15182	·06493	.008	.06481	5.02
98092	6.887	265.858	7.9613	.12519	.06385	.005	.06287	1.43
98189	7.156	269.117	7.9833	.21013	.06385	.004	.06379	3.70
98093	6.887	264.744	7.9959	.10188	.06611	.007	.06508	F.03
98188	7.157	269.036	8.0067	.17965	.06483	.005	.06473	4.46
98085	7.017	267.673	8.0524	.21028	.05278	. 205	.36215	. 09
98086	7.017	267.315	8 • 1587	.17935	.06258	.004	.06179	-1.33
9819C	7.156	268.389	8.1895	.12527	.06459	.012	.06424	2.30
98087	7.017	267.060	8.2364	.15116	.05432	.004	.06341	. 67
98088	7.017	265.848	8.3014	.12538	.06563	.004	.05463	2.04
								30
98081	7.145	267.509	8.4219	.20976	.06437	. 205	.06365	
98082	7.145	267.213	€.5118	.17910	.06504	.005	.06419	(-4
98185	7.352	268.734	8.5494	.24485	.05223	.007	.06201	-3.86
98983	7.145	267.072	8.5540	.15085	•06635	. 205	.06546	1.54
98084	7.145	266.921	R.5005	.12519	.04731	.007	.05533	2.57
98183	7.353	269.3F6	8.5514	.18058	.06362	.308	.05325	-2.49
98076	7.310	267.998	8.5599	27301	.06509	.005	.06458	-, 5 2
98184	7.352	268.302	8.6763	.21154	.05419	.006	.04380	-1.5)
98077	7.310	267.730	8.7498	.24279	.06549	.005	.05487	59
98186	7.351	267.990	8.7550	.15240	.06649	.005	.06=98	1.01
98078	7.310	267.400	R.8479					76
				.209º2	.06591	.304	.06515	
98079	7.310	267.182	E.9140	.17919	.06762	.003	.05675	1.30
98080	7.309	257.105	8.9358	.15101	.J679P	.004	.06739	1. * *
98182	7.768	268.905	9.2509	.29055	.06597	.004	.065A2	-1.48
98181	7.708	268.617	9.3427	.24473	.06658	.003	.05533	-1.61
98160	7.709	268.412	9.4023	.21130	.06608	.005	. 36575	-2.79
98070	7.729	258.491	9.4187	.35620	.07390	.014	.07046	4.2
98071	7.729	268.245	9.4880	.31623	.07036	.009	.06397	3.04
98179	7.709	256.087	9.494F	.13020	.06825	.004	+C67A0	10
98178	7.950	269.678	9.5080	.35946	·06895	.009	.05908	1. * 4
98072	7.723	268.050	9.5429	.27839	.07034	.005	.04388	2.47
98177	7.951	269.445	9.5719	.31899	8 AB AC.	.008	.04873	. 67
73:77	1 0771	2071447	303114	* 1TC44	• 0., 65	• 000	10.10.13	0 77

98073	7.728	267.753	9.6269	.24288	.06998	.006	.05941	1.66
98065	7.964	269.208	9.6598	.44412	.07212	.012	.07209	5.19
98074	7.727	267.500	9.5995	.20987	.06961	.004	.06895	• 71
98176	7.952	248.972	9.701?	.27997	.06713	.007	•06702	-2.16
98075	7.727	267.235	9.7743	.17906	•07047	• 0 O <del>•</del>	•05971	1.50
98175	7.952	268.679	9.7913	.24441	.06933	.005	•06912	. 63
98066	7.954	268 • 657	9.8052	.35530	.07019	• 005	.06997	1.75
98067	7.964	268.279	9.9098	.31629	.07064	•007	.07029	1.61
98174	8.330	270.307	9.9802	.44813	.07117	.009	.07148	3.19
98069	7.964	267.974	9.9909	.27833	.06995	.004	.06950	. 39
98173	8.331	269.985	10.0605	.40233	.06954	•006	•06975	•51
98069	7.964	267.716	10.0605	.24279	• 07 02 0	.004	.06966	.36
98051	8.248	269.165	10.1394	.44433	.06996	.007	•06992	. 47
98172	8.332	269.542	10.1718	.35904	.06716	.008	.06723	-3.51
98171	8.332	269.276	10.2370	.31834	. 96964	.004	.06963	76
98062	8.248	268.772	10.2379	39925	06998	.005	.06982	00
98064	8.249	268.304	10.3568	.31644	• 7701 P	•003	.06987	30
98169	8.719	270.665	10.4437	.49481	•07025	•005	.07362	• 48
98268	8.720	27C.375	10.5107	•44769	.07056	•005	•07085	• 5 9
98057	8.671	269.685	10.6042	.49206	.07044	•335	•07054	12
98267	8.720	269.717	10.6585	.40063	.06967	.004	.06918	-2.26
98170	8.719	269.699	10.6611	.35850	.06901	.007	.06911	-2.37
9805A	8.671	269.052	10.7477	.39945	.07012	.004	.07005	-1.26
98167	9.137	271.396	10.7850	.50969	.07042	•007	.07090	16
98359	8.671	268.288	10.9198	.31643	.07055	•005	.07029	-1.43
98166	9.137	270.568	10.9561	.4957B	•07026	•004	•07354	-1.18
98060	8.671	26 P. 109	10.9598	.27866	.07083	.003	.07053	-1.21
98168	9.135	270.267	11.0156	.44842	.07019	.003	.07040	-1.56
98165	9.139	269.786	11.1174	.40243	.07081	.069	.07091	-1.13
98053	9.142	269.610	11.1561	.49198	.07100	. 204	.07107	-1.04
98164	9.762	272.421	11.2094	.70962	.06972	.009	.07028	-2.33
98054	9.144	268.903	11.3009	.39897	.07119	•003	•07111	-1.42
98163	9.762	271 • 489	11.3792	.59638	.07086	.010	.07124	-1.46
98055	9.144	268.320	11.4175	.31608	.07157	•002	.07137	-1.42
98056	9.144	268.097	11.4513	.27811	.07156	.002	.07132	-1.63
98049	9.723	269.641	11.5788	.49188	.07309	.002	.07314	.19
98161	9.763	269.762	11.6896	.39947	.07065	.008	.07072	-3.26
98160	10.526	272.799	11.7549	.71177	.07444	.005	.07488	2.25
98050	9.721	269.049	11.7824	.39941	.07283	.002	•07279	65
98159	10.529	272.049	11.8758	•59960	•075C4	.005	•07537	2.47
98051	9.721	268.406	11.8955	.3161R	.07250	.002	.07237	-1.65
98052	9.722	268.145	11.9413	.27824	.07333	•005	.07316	72
98158	10.527	271.045	12.0333	.49585	.07399	.002	.07418	.33
98045	10.430	270.388	12.0719	.59504	.07399	.002	.07411	.08
98157	10.530	270.099	12.1824	.40182	.07497	.002	.07505	. 90
98046	10.430	269.639	12.1895	.49251	.07409	•002	•07413	37
98047	10.430	268.922	12.3012	.39964	.07424	•002	•07+20	74
98156	11.500	272.912	12.3434	.71159	.07631	.008	.07656	2.19
98048	10.430	268.194	12.4126	.31666	.07409	•002	.07399	-1.52
98041	11.208	270.209	12.5611	.59475	.07565	.001	.07571	•11
98154	11.502	271.133	12.5880	49682	.07477	.002	.074.87	-1.13
					-		.07598	15
98042	11.207	269.290	12.6883	.49203	.07598	.001		
98153	11.505	270.198	12.7158	.40209	.07610	•002	.07515	07
98043	11.208	268.455	12.8034	.39940	•07515	.001	•07610	57
98044	11.209	267.957	12.8718	.31590	.07624	.001	.07617	84
98037	12.719	270.250	13.2438	.59472	.07882	.001	.07882	. 45
98038	12.719	269.417	13.3408	.49231	.07945	.001	• 67945	• 64
98039	12.719	268.809	13.4111	39948	.07926	.002	.07926	04
98040	12.722	268.212	13.4806	.31646	.07936	.002	.07937	36
98033	13.782	270.134	13.6374	.59485	.08106	.001	.08104	•66
98034	13.778	269.367	13.7171	.49230	.081C1	.001	.08101	.06
98035	13.777	268.798	13.7765	.39975	.08130	•005	.08132	• 02
98036	13.777	268.098	13.8495	.31634	.08168	•002	.98172	02
98032	16.108	270.735	14.2426	.70747	.08575	.001	.08565	1.61
98029	16.110	270.015	14.3077	.59470	.08550	.001	.08545	. 85
98030	16.108	269.229	14.3775	.49227	.08570	.001	.08571	. 57
								.17
98031	16.108	268.587	14.4347	.39940	.08572	.001	.08577	
98025	18.009	270.488	14.6951	.70657	.08617	.001	.08806	. 52
98026	18.013	269.823	14.7497	.595C3	.08871	.001	.08866	•71
98027	18.014	269.135	14.8054	.49257	.08874	.301	.08876	• 31
98028	18.011	268.497	14.8561	.39983	.08927	.001	.08935	.51
98021	21.576	270.428	15.3448	.70736	.09407	.001	.09393	. 81
98022	21.578	269.590	15.4037	.59515	.09418	.001	.09414	. 45
							.09484	.72
98023	21.576	268.922	15.4499	.49233	.09479	.001		
98024	21.573	268.442	15.4827	.39968	.09449	.001	.09460	.13
98017	25.603	270.788	15.8952	• 92822	.09919	.001	•09898	•38
98018	25.602	270.075	15.9391	.70643	.0995F	.001	.09944	.37
98019	25.602	269.456	15.9774	.59464	.09935	.001	.09933	15
98020	25.602	268.829	16.0161	.49224	.10007	.002	.10014	• 25
98013	31.011	270.500	16.5286	82814	.10582	.001	.10563	04
							.10587	27
98014	31.007	269.757	16.5689	•70665	.10594	•001		
98015	31.007	269.071	15.6064	.59416	.10602	• 002	.10606	52
98016	31.007	268.541	16.6353	.49234	.10683	.001	•10695	01
98012	35.236	270.868	16.9108	.95930	•11076	.001	.11050	•12
98009	35.229	270.304	16.9388	.82746	.11080	.001	.11054	08
98010	35.232	269.645	16.9725	.70569	.11113	.032	.11107	07

99011	35.233	269.011	17.0048	.59374	.11164	.002	.11109	43
98507	41.268	270.160	17.4350	83004	.11710	.001	.11595	31
99006	41.269	269.409	17.4790	.70715	.11718	.301	.11716	55
								40
98309	41.273	268.391	17.5175	.49327	.11784	.001	•11800	
98CC4	46.923	270.657	17.8109	.95910	.12295	. 301	.12272	.04
98001	46.975	270.115	17.8341	. 32805	.12241	.001	.12227	61
98002	45.970	259.591	17.8566	.70545	.12331	.001	•12326	07
98003	46.975	269.825	17.8902	• 59365	.12416	•005	.12424	.32
					Experimental		Adjusted Thertel	Conductivity
					Thermel		at a Nominel	Devistion
Pun Pt.	Pressure	Temperature	Pensity	DOMEL	Conductivity	STAT	Temperature of 290.5K	from Corelation
	MPa	K	moi/L	V/m	₩/m.K		\/m.K	percent
		,	• • • •				·•	, , , , , , , , , , , , , , , , , , , ,
101144	.498	291.209	.2103	.16359	.02584	.002	.02574	1.68
	498	290.315	.2110	13559	.02553	.303	•02555	. 94
101143								
101142	.498	269.493	.2120	.11030	.02537	.002	.02550	.75
101141	.490	289.880	.2126	.08764	.02511	.004	.02532	• 24
101140	1.212	291.514	. 5795	.19394	.02661	.001	•02547	1.24
101130	1.212	290.499	•5319	.16343	.02627	• 005	.02626	. 45
101128	1.313	289.689	.5340	.13545	•02622	.002	.02632	. 64
101137	1.213	268.802	.5359	.11012	.02617	.003	.02638	.83
101136	2.181	290.863	1.0062	.19390	.02749	.001	.02744	.00
101135	2.182	290.020	1.0105	.16336	.02733	.002	.02739	23
101134	2.182	289.231	1.0144	.13540	.02734	.002	.02750	.14
			1.0182					
101133	2.192	288.562		.11013	.02741	.003	•02765	• 66
171131	3.101	291.248	1.5065	.22708	.02901	.001	.02891	• 11
101130	3.102	290.361	1.5150	.19391	•02897	•002	•02898	.27
101129	3.104	289.650	1.5221	•16332	.02863	.002	.02873	68
101132	3.100	289.078	1.5246	.13555	.02881	.002	•02898	.16
101128	3.727	291.670	1.8795	.26204	.03019	.002	.03004	.07
101127	3.720	200.789	1.8904	.22538	.03029	.001	•03025	. 64
		290.064						
101126	3.729		1.8998	.19311	•02965	• 002	.02970	-1.31
101125	3.729	289.082	1.9126	•15271	.02959	.002	.02975	-1.26
101124	4.403	292.143	2.3164	•30025	.03166	.002	•03147	• 06
101123	4.405	291.543	2.3284	.26230	.03188	•002	.03176	. 84
101123	4.410	290.539	2.3494	.22655	.03174	• 202	•03173	.54
101121	4.416	289.830	2.3651	.19345	.03162	.002	.03159	.23
101120	5.075	291.471	2.8212	.30029	.03315	.003	.03305	<del>-</del> .56
101119	5.076	290.919	2.8353	.26230	.03371	•002	.03366	1.13
101118	5.077	290.165	2.8546	.22552				.17
		_			•03338	•002	.03341	
101117	5.079	289.178	2.8807	•19316	.03323	•002	.03336	28
101116	5.754	290.951	3.3957	.30011	.03599	.003	.03595	1.39
101115	5.755	290.239	3.4213	.25203	.03 576	•002	•03578	•63
101114	5.758	289.714	3.4431	.22650	•03555	.002	.03561	08
101113	5.762	289.353	3.4502	.19343	.03554	.003	.03563	22
101112	6.255	290.719	3.8651	.30060	.03758	. 005	.03756	.35
101111	6.255	290.102	3.8953	.26218	.03545	.007	.03548	-2.96
101110	6.258	289.291	2.9359	.22659	.03678	.005	•03585	-2.37
101109	6.251	288.815	3.9616	.19346	.03777	.002		
							.03798	.08
101107	6.739	290.843	4.3479	.34178	•04108	.004	.04106	3.54
101166	6.739	290.235	4.3834	.30073	.04063	.004	.04054	2.15
101105	5.740	289.650	4.4192	•26219	•04009	.004	.04013	. 4 8
101168	6 • <b>73</b> 8	289.237	4.4415	. 22686	.04041	•002	.04047	1.06
101104	7.114	291.780	4.5927	.43240	.04259	•005	.04253	3.02
101103	7.114	291.340	4.7216	.38608	.04214	.007	.04210	1.70
101101	7.114	290.269	4.7952	.34208	.04178	•006	.04179	.10
101102	7.114	289.910	4.9204		.04253	.002	.04255	1.60
101099	7.453	292.050	5.0513	.42971	.04504	•003	.04499	4.38
101097	7.453	291.558	5.0891	.34238	04547	.004	.04544	4.90
101098	7.453	291.442	5.0980		.04404			
				.38379		• 006	.04401	1.72
101100	7.453	290.242	5.1929	.29924	•04448	.003	.04448	1.66
101096	7.841	291.475	5.5550	.47931	.04763	.007	.04762	4.24
101095	7.841	290.833	5.6140	.43075	. 24722	.006	.04722	2.77
101094	7.842	290.233	5.6709	.38474	•04691	.003	.04691	1.50
101093	7.842	289.435	5.7491	.34054	.0465€	.003	.04655	13
101092	8.209	291.571	5.9988	.53078	.04898	.005	.04899	2.16
101091	8.219	290.988	6.0598	.47952	• 04823	.005	.04824	C4
101090	8.210	290.379	6.1246	.43070	.04846	.003	.04946	28
101089	8.211	289.789	6.1901	.38427	.04840	.003	.04839	-1.15
101088	8.609	291.249	6.5369	.53164				
101087	8.509	290.709			•05158 05042	005	.05160	1.51
			6.6003	.47956	.05062	.005	.05063	-, 94
101086	8.610	290.105	6.6741	.43104	.05129	.003	.05129	42
1^1085	8.610	289.620	6.7343	.38403	·05082	.003	•05079	-2.01
101084	9.045	290.918	7.1312	.53212	•05400	.005	.05402	•31
101083	9.046	290.382	7.2014	.47989	.05327	.005	.05327	-1.78
101082	9.047	289.771	7.2847	.43057	.05261	.005	.05257	-3.93
101081	9.047	289.354	7.3420	.38447	.05336	.203	.05329	-3.05
101080	9.383	290.784	7.5696	.53131	•05608	.005	.05516	.09
101079	9.384	290.311	7.6358	.48038	.05628	.004	.05627	10
101078	9.383							
		289.659	7.7272	.43130	.05551	.003	.05546	-2.4*
101076	9.736	291.123	7.9471	.58323	.05703	.007	.05708	-1.36
101075	9.736	290.589	P.0224	•52866	•05726	•004	.05727	-1.63
101074	9.736	290.114	8.0905	•47688	•05752	.005	.05750	-1.7a
101073	9.736	289.610	R.1641	.42826	.05746	.004	.C=740	-2.54
101072	10.152	291.123	P.4310	.58294	.06024	.008	.06029	. 41

101071	10.162	290.590	8.5080	.52886	.06053	.005	• 36054	• 27
101070	10.163	289.979	8.5982	.47716	.05953	.004	.05949	-2.13
101069	10.163	289.502	8.6690	42849	.05962	.005	.05955	-2.55
101068	10.105	291.601	8.9120	.64001	.06183	.009		
101067	10.685	290.743	9.0347	.58230	.06159	.005	.06191	25
							•06161	-1.53
101066	10.695	290.393 289.684	9.0856	.52872	.06123	.005	.06123	-2.50
101065	10.685		9.1893	.47709	•06165	.002	.06159	-2.54
101064	11.292	291.394	9.5140	.44085	.06461	.006	•06467	•46
101063	11.292	291.206	9.5401	.58466	.06316	.011	•06321	-1.99
101062	11.292	290.479	9.6421	.53010	.06355	.004	.06355	-2.02
101051	11.293	289.827	9.7351	.47832	.06339	.004	.06335	-2.86
101060	11.928	291.177	10.0702	.64110	•05528	.004	• 0 5 5 3 1	-1.56
101058	11.927	289.940	10.2354	.52889	.06514	.002	•06512	-2.74
101057	11.927	289.680	10.2717	.47722	•06558	.002	•06555	-2.25
101056	12.615	291 • 415	10.5361	.44124	.06721	.004	•06724	-1.02
101055	12.620	290.813	10.6152	•58461	.05735	.003	•06736	-1.23
101054	12.620	290.247	10.6873	•53002	·06801	.004	•06300	63
101051	13.440	290.893	11.1111	.58568	.07050	.034	.07050	. 84
101047	14.318	292.271	11.4227	.64143	•07077	.010	•07075	42
101045	14.321	291.455	11.5131	.53104	.05994	.011	.05992	-2.09
101048	14.311	290.571	11.6074	.47806	.07000	.004	.07300	-2.50
101044	15.637	292.082	12.0383	.69859	.07563	.003	•07555	2.72
101043	15.639	291.535	12.0940	.64078	.07515	.002	.07511	1.82
101042	15.640	291.321	12.1158	.58529	.07563	.002	.07559	2.32
101041	15.540	291.174	12.1305	.53230	.07549	.002	. • 07546	2.05
101040	17.138	291.821	12.6170	.76395	•07528	.002	•07519	-1.34
101039	17.138	291.171	12.6762	.70268	.07711	.002	.07706	.74
101038	17.137	290.640	12.7244	.54197	.07707	.001	•07706	.41
101037	17.137	290.253	12.7596	.58550	.07667	.002	•07668	31
101036	17.137	289.789	12.8018	.53126	.07646	.062	.07651	83
101035	17.138	289.221	12.8538	.47933	.07684	.001	•07593	
							•07706	54
101034	17.127	288.875	12.8847	.43051	.07694	.002		69
101033	18.667	291.389	13.1225	.75402	•07976	.002	•37968	• 95
101032	18.557	291.073	13.1492	.70171	.07836	.002	.07830	99
101031	18.667	290.401	13.2054	.641F5	•07969	•001	.07969	• 36
101030	18.665	289.959	13.2420	.58421	.08004	.002	.08009	. 58
101029	20.959	291.316	13.7068	.76441	.08274	.001	.08264	•07
101028	20.961	290.851	13.7423	.70221	•0828B	.001	•08284	• 61
101027	20.962	290.212	13.7904	.54162	.C8270	.001	.08273	52
101026	20.962	289.621	13.8349	.58459	.08320	.001	•08330	21
101024	23.498	291.052	14.2500	•76395	.08645	.001	•0863 <b>7</b>	18
101023	23.505	290.102	14.3159	.54195	.08633	.001	.08538	77
101022	23.508	289.558	14.3536	.58421	.08511	.002	•08523	-2.48
101021	26.555	291.393	14.7513	.83011	.09114	.001	.09101	•3٤
101020	26.559	290.839	14.7852	.76413	.09057	.003	•09051	49
101019	26.559	289.842	14.8479	.54175	.09097	.003	.09106	49
101017	30.192	291.764	15.2492	.89573	.09269	.005	.09249	-2.96
101016	30.192	291.054	15.2894	. 62688	.09515	.002	.09506	59
101015	30.193	290.524	15.3196	.76328	.09583	.002	.09582	10
101012	34.658	291.072	15.8183	.89444	.10093	.003	•10083	21
101013	34.661	290.486	15.8489	.82803	.09965	.001	.09964	-1.73
101011	34.563	290.344	15.8565	.76258	.09807	.003	.09809	-3.43
101010	34.564			.64091	.09880	.003	.09901	
101709		289.186	15.9164					-3.13
		289.186 291.885	15.9164		-10186			-3.13 -4.60
	39.728	291.885	16.2844	1.03719	.10186	.005	•1C161	-4.60
101008	39.728 39.727	291.885 290.879	16.2844 16.3322	1.03719 .89553	.10458	.005	•10161 •10451	-4.60 -2.24
101008 101007	39.728 39.727 39.724	291.885 290.879 289.967	16.2844 16.3322 16.3753	1.03719 .89553 .76262	•10458 •10294	.005 .002	•1C161 •10451 •10302	-4.60 -2.24 -4.20
101008 101007 101006	39.728 39.727 39.724 39.725	291.885 290.879 289.967 289.348	16.2844 16.3322 16.3753 16.4049	1.03719 .89553 .76262 .64117	.10458 .10294 .10119	.005 .002 .002	•10161 •10451 •10302 •10138	-4.60 -2.24 -4.20 -6.24
101008 101007 101006 101005	39.728 39.727 39.724 39.725 39.721	291.885 290.879 289.967 289.348 288.564	16.2844 16.3322 16.3753 16.4049 15.4419	1.03719 .89553 .76262 .64117 .52925	.10458 .10294 .10119 .10246	.005 .002 .002 .003	•10161 •10451 •10302 •10138 •10279	-4.60 -2.24 -4.20 +6.24 +5.22
101008 101007 101006 101005 101004	39.728 39.727 39.724 39.725 39.721 46.778	291.885 290.879 289.967 289.348 288.564 291.555	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874	1.03719 .89553 .76262 .64117 .52925 1.03659	.10458 .10294 .10119 .10246 .11055	.005 .002 .002 .003 .005	.10161 .10451 .10302 .10138 .10279 .11035	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05
101008 101007 101006 101005 101004 101003	39.728 39.727 39.724 39.725 39.721 46.776 46.774	291.885 290.879 289.967 289.348 288.564 291.556 290.635	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 15.9272	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719	.10458 .10294 .10119 .10246 .11055 .11380	.005 .002 .003 .005 .005	.10161 .10451 .10302 .10138 .10279 .11035	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41
101008 101007 101006 101005 101004 101003 101002	39.728 39.727 39.724 39.725 39.721 46.776 46.774 46.770	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795	16.2844 16.3322 16.3753 16.4049 16.4419 16.8874 16.9272 16.9634	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .76477	.10458 .10294 .10119 .10244 .11055 .11380 .11456	.005 .002 .002 .003 .005 .005 .001	•10161 •10451 •10302 •10138 •10279 •11035 •11377 •11468	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41
101008 101007 101006 101005 101004 101003	39.728 39.727 39.724 39.725 39.721 46.776 46.774	291.885 290.879 289.967 289.348 288.564 291.556 290.635	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 15.9272	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .76477	.10458 .10294 .10119 .10246 .11055 .11380	.005 .002 .003 .005 .005	.10161 .10451 .10302 .10138 .10279 .11035	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41
101008 101007 101006 101005 101004 101003 101002	39.728 39.727 39.724 39.725 39.721 46.776 46.774 46.770	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795	16.2844 16.3322 16.3753 16.4049 16.4419 16.8874 16.9272 16.9634	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .76477	.10458 .10294 .10119 .10244 .11055 .11380 .11456 .11404	.005 .002 .002 .003 .005 .005 .001	•10161 •10451 •10302 •10138 •10279 •11035 •11377 •11468 •11429	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 -41 02
101008 101007 101006 101005 101004 101003 101002	39.728 39.727 39.724 39.725 39.721 46.776 46.774 46.770	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795	16.2844 16.3322 16.3753 16.4049 16.4419 16.8874 16.9272 16.9634	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .76477	.10458 .10294 .10119 .10244 .11055 .11380 .11456 .11404	.005 .002 .002 .003 .005 .005 .001	.10161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41 02 72
101008 101007 101006 101005 101004 101003 101002 101001	39.728 39.727 39.724 39.725 39.721 46.776 46.777 46.770 46.770	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.795	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 15.9272 16.9634 16.9942	1.03719 .89553 .76242 .64117 .52925 1.03459 .89719 .74477 .64302	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404 Experimental	.005 .002 .002 .003 .005 .005 .001	.10161 .10451 .10302 .10138 .10279 .11377 .11468 .11429 Adjusted Thernal	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41 02 72 Conductivity Deviation
101008 101007 101006 101005 101004 101003 101002	39.728 39.727 39.724 39.725 39.721 46.776 46.777 46.770 46.767	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.081	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 15.9272 16.9634 16.9942	1.03719 .89553 .76262 .64117 .52925 1.03459 .89719 .74477 .64302	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity	.005 .002 .002 .003 .005 .005 .001	•10161 •10451 •10302 •10138 •10279 •11035 •11377 •11468 •11429 Adjusted Thernal at a Nominal Temperature of 310.9K	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41 02 72 Conductivity Deviation from Corelation
101008 101007 101006 101005 101004 101003 101002 101001	39.728 39.727 39.724 39.725 39.721 46.776 46.777 46.770 46.770	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.795	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 15.9272 16.9634 16.9942	1.03719 .89553 .76242 .64117 .52925 1.03459 .89719 .74477 .64302	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404 Experimental	.005 .002 .002 .003 .005 .005 .001	.10161 .10451 .10302 .10138 .10279 .11377 .11468 .11429 Adjusted Thernal	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41 02 72 Conductivity Deviation
101008 101007 101006 101005 101004 101003 101002 101001	39.728 39.727 39.724 39.725 39.721 46.776 46.770 46.770 46.767	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.081	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 16.9272 16.9634 16.9942	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .74477 .64302	.10458 .10294 .10119 .10244 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K	.005 .002 .002 .003 .005 .005 .001 .001	.10161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41 02 72 Conductivity Devistion from Coreistion percent
101008 101007 101006 101005 101003 101002 101001	39.728 39.727 39.724 39.725 39.721 46.776 46.777 46.770 46.767	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.081	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 16.9272 16.9634 16.9942	1.03719 .89553 .76262 .64117 .52925 J.C3659 .89719 .74477 .64302	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K	.005 .002 .002 .003 .005 .005 .001 .001	.10161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K	-4.60 -2.24 -4.20 +6.24 +5.22 -3.05 41 02 72 Conductivity Deviation from Coreistion percent
101008 101007 101006 101005 101004 1011003 101002 101001	39.728 39.727 39.724 39.725 39.721 46.776 46.777 46.770 46.767	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.081	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 15.9272 16.9634 16.9942	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .74477 .64302 Power V/m .20392 .17180	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K	.005 .002 .002 .003 .005 .005 .001 .001	**10.161 **10.451 **10.302 **10.138 **10.279 **11.035 **11.377 **11.468 **11.429 **Adjusted Thernal at a Nominal Temperature of 310.9K	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41 02 72 Conductivity Deviation from Coreistion percent
101008 101007 101006 101005 101004 101002 101001 Pun Pt.	39.728 39.727 39.724 39.725 39.721 46.776 46.774 46.770 46.767 Pressure MPa .478 .478	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.7081 Temperature K	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 16.9634 16.9942 Density mol/L	1.03719 .89553 .76242 .64117 .52925 1.03459 .89719 .74477 .64302	.10458 .10294 .10119 .10244 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K .02870 .02856 .02831	.005 .602 .002 .003 .005 .005 .001 .001 .001	.10161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K	-4.60 -2.24 -4.20 +6.24 -5.22 -3.05 -41 02 72 Conductivity Deviation from Coreistion percent .91 .91
101008 101007 101006 101005 101004 101003 101002 101001 Pun Pt.	39.728 39.727 39.724 39.725 39.721 46.776 46.770 46.770 46.767  Pressure MPa .478 .478 .479	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.705 289.081 Temperature K	16.2844 16.3322 16.3753 16.4049 15.4419 16.9874 16.9272 16.9634 16.9942 Density mai/L .1370 .1876 .1876	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .74477 .64302 Power V/m .20392 .17160 .14254 .11587	.10458 .10294 .10119 .10244 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K .02870 .02870 .02856 .02831 .02808	.005 .002 .002 .003 .005 .005 .001 .001	.10161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02832 .02832	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41 02 72 Conductivity Devistion from Corelation percent .91 .91 .55
101008 101007 101006 101005 101004 101003 101002 101001 Pun Pt.	39.728 39.727 39.724 39.725 39.721 46.776 46.777 46.770 46.767 Pressure MPa .478 .478 .479 .479	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.081 Temperature K 312.807 311.860 310.863 316.025	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 15.9272 16.9634 17.9942 Density mai/L .1370 .1876 .1866 .1891	1.03719 .89553 .76262 .64117 .52925 J.C3659 .89719 .76477 .64302 Power W/m .20392 .17180 .14254 .11587 .09204	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K .02870 .02870 .02866 .02831	.005 .002 .003 .005 .005 .001 .001 .001 .001 .001 .002 .002 .002	.1C161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02832 .02821 .02836	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41 02 72 Conductivity Deviation from Corelation percent .91 .91 .55 .17
101008 101007 101006 101005 101004 101002 101001 Pun Pt. 99137 99136 99135 99134 99133	39.728 39.727 39.724 39.725 39.721 46.776 46.770 46.767 Pressure MP8 .478 .479 .479 .479	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.081 Temperature K 312.807 311.860 310.863 310.025 309.233	16.2844 16.3322 16.3753 16.4049 15.4419 15.9272 16.9634 17.9942 Density mai/L .1370 .1876 .1891 .1898	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .74477 .64302 Power V/m .20392 .17180 .14254 .11587 .09204 .20395	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K .02870 .02876 .02831 .02808 .02811	.005 .002 .003 .005 .005 .001 .001 .001 .001 .001 .002 .002 .002	.1C161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02842 .02832 .02821 .02836	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41 02 72 Conductivity Deviation from Coreistion percent .91 .91 .55 .17 .69
101008 101007 101006 101005 101004 101002 101001 Pun Pt. 99137 99136 99135 99134 99133 99132 99131	39.728 39.727 39.724 39.725 39.721 46.776 46.774 46.770 46.767 Pressure MPa .478 .479 .479 .479 .479	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.081 Temperature K 312.807 311.840 310.863 310.025 309.233 312.023 311.209	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 16.9272 16.9634 16.9942 Density mai/L .1370 .1876 .1891 .1898 .5444	1.03719 .89553 .76242 .64117 .52925 1.03459 .89719 .74477 .64302 Power V/m .20392 .17180 .14254 .11587 .09204 .20395 .17198	.10458 .10294 .10119 .10244 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K .02870 .02856 .02831 .02808 .02811 .02956 .02938	.005 .002 .002 .003 .005 .005 .001 .001 .001 .001 .002 .002 .002	.1C161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02842 .02832 .02821 .02940 .02940	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 -410272  Conductivity Deviation from Coreistion percent .91 .91 .55 .17 .69 1.14 .93
101008 101007 101006 101005 101003 101002 101001 Pun Pt. 99137 99136 99135 99134 99133 99132 99132	39.728 39.727 39.725 39.725 39.721 46.776 46.770 46.770 46.767 Pressure MPa .478 .478 .479 .479 .479 .479 .479 .344 1.344	291.885 290.879 289.967 289.348 288.564 291.555 299.705 289.705 289.705 311.860 310.863 312.025 309.233 312.025 301.263	16.2844 16.3322 16.3753 16.4049 15.4419 16.9874 16.9272 16.9634 16.9942 Density mol/L .1370 .1876 .1898 .5464 .5463 .5464	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .74477 .64302 Power V/m .20392 .17160 .14254 .11587 .09204 .20395 .17148	.10458 .10294 .10119 .10244 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K .02870 .02876 .02831 .02808 .02811 .02956	.005 .002 .003 .005 .005 .001 .001 .001 .001 .002 .002 .003 .001 .002	.10161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02842 .02836 .02940 .02934 .02934	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41 02 72 Conductivity Devistion from Corelation percent .91 .91 .95 .17 .69 1.14 .93 1.11
101008 101007 101006 101005 101004 101003 101002 101001 Pun Pt. 99137 99136 99135 99134 99133 99132 99130 99130	39.728 39.727 39.724 39.725 39.721 46.776 46.777 46.770 46.767 Pressure MPa .478 .478 .479 .479 .479 .479 .479 .479 .479 .344 1.344 1.345	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.081 Temperature K 312.807 311.860 310.863 316.025 309.233 312.023 311.202 310.263 309.620	16.2844 16.3322 16.3753 16.4049 15.4419 16.9874 16.9942 16.9942 16.97634 17.9942 18.76 18.76 18.76 18.91 18.91 18.94 18.	1.03719 .89553 .76262 .64117 .52925 ].03659 .89719 .76477 .64302 Power V/m .20392 .17180 .14254 .11587 .09204 .20395 .17198 .14248 .11591	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K .02870 .02870 .02866 .02831 .02808 .02811 .02956 .02930 .022894	.005 .002 .003 .005 .005 .001 .001 .001 .001 .002 .002 .003 .001 .002	.1C161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02842 .02835 .02940 .02940 .02940 .02940	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05410272  Conductivity Deviation from Coreistion percent .91 .91 .55 .17 .69 1.14 .93 1.11 .20
101008 101007 101006 101005 101004 101002 101001 Pun Pt. 99137 99136 99135 99134 99133 99132 99131 99130 99139	39.728 39.727 39.724 39.725 39.721 46.776 46.777 46.777  Pressure MP8 .478 .479 .479 .479 1.344 1.344 1.344 1.345 2.429	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.795 289.795 311.860 310.863 310.025 307.233 312.023 311.209 310.263 309.620 317.256	16.2844 16.3322 16.3753 16.4049 15.4419 15.9272 16.9634 17.9942 Density mai/L .1370 .1876 .1891 .1898 .5444 .5463 .5484 .5489 1.0275	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .74477 .64302 Power V/m .20392 .17180 .14254 .11587 .09204 .20395 .17198 .14248 .11591 .23970	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404 Experimental Themal Conductivity W/m.K .02870 .02856 .02831 .02808 .02811 .02956 .02938 .02938 .02930 .026594	.005 .002 .003 .005 .005 .001 .001 .001 .001 .001 .002 .002 .002	.1C161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02832 .02821 .02836 .02940 .02934 .02940 .02913 .03049	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05410272  Conductivity
101008 101007 101006 101005 101004 101002 101001 101001 Pun Pt. 99137 99136 99135 99134 99133 99132 99130 99128 99127	39.728 39.727 39.725 39.721 46.776 46.770 46.770 46.767 Pressure MPa .478 .479 .479 .479 .479 .479 .479 .479 .479	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.081 Temperature K 312.807 311.860 310.863 310.025 309.233 312.023 311.208 310.263 311.208 310.263	16.2844 16.3322 16.3753 16.4049 15.4419 16.9874 16.9272 16.9634 16.9942 Density mai/L .1370 .1876 .1891 .1898 .5484 .5494 .5493 .0275 1.0307	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .74477 .64302 Power V/m .20392 .17160 .14254 .11587 .09204 .20395 .17148 .1248 .11591 .23970 .23970	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K .02870 .02856 .02831 .02808 .02811 .02938 .02930 .02930 .02930 .02656 .03017	.005 .002 .003 .005 .005 .001 .001 .001 .002 .002 .002 .002 .002	.1C161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02842 .02832 .02821 .02836 .02940 .02934 .02940 .02934 .02940 .02931 .03049 .03009	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41 02 72 Conductivity Deviation from Corelation percent .91 .91 .95 .17 .69 1.14 .93 1.11 .20 .56 82
101008 101007 101006 101005 101004 101002 101001 Pun Pt. 99137 99136 99135 99134 99133 99132 99131 99130 99139	39.728 39.727 39.724 39.725 39.721 46.776 46.770 46.770 46.767  Pressure MPa .478 .479 .479 .479 .479 .479 .479 .479 .479	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.705 289.705 289.081  Temperature  K  312.807 311.8400 310.863 316.025 309.233 312.023 311.200 310.261 309.620 312.256 311.560 310.787	16.2844 16.3322 16.3753 16.4049 15.4419 16.9874 16.9272 16.9634 16.9942 Density mol/L .1370 .1876 .1891 .5444 .5499 1.0275 1.0307 1.0327	1.03719 .89553 .76242 .64117 .52925 1.03459 .89719 .74477 .64302 Power W/m .20392 .17180 .14254 .11587 .09204 .20395 .17148 .11591 .23970 .20388 .17173	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404  Experimental Thermal Conductivity W/m.K .02870 .02876 .02831 .02808 .02811 .02958 .02930 .02694 .03017 .03994	.005 .002 .003 .005 .005 .001 .001 .001 .001 .002 .002 .003 .001 .002 .003 .001	.10161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02842 .02836 .02940 .02934 .02940 .02931 .03049 .03009 .03996	-4.60 -2.24 -4.20 +6.24 -5.22 -3.05 41 02 72 Conductivity Deviation from Corelation percent .91 .91 .95 .17 .69 1.14 .93 1.11 .70 .55 82 82
101008 101007 101006 101005 101004 101003 101002 101001 Pun Pt. 99137 99136 99135 99134 99133 99132 99139 99128 99129 99128 99127 99126	39.728 39.727 39.724 39.725 39.721 46.776 46.777 46.770 46.767  Pressure MPa .478 .478 .479 .479 .479 .479 .479 .479 .479 .479	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.081 Temperature K 312.807 311.860 310.863 310.025 309.233 312.023 311.209 310.263 329.620 312.276 311.560 310.263	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 16.9942 16.994	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .76477 .64302  Power V/m .20392 .17180 .14254 .11587 .09204 .20395 .17198 .14248 .11591 .23970 .20388 .17173 .14246	.10458 .10294 .10119 .10246 .11055 .11350 .11456 .11404 Experimental Thermal Conductivity W/m.K .02870 .02870 .02871 .02808 .02831 .02808 .02811 .02956 .02930 .022894 .03017 .03979	.005 .002 .003 .005 .005 .001 .001 .001 .001 .002 .002 .003 .001 .002 .003 .001	.1C161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02842 .02835 .02940 .02934 .02934 .02940 .02934 .03049 .03009 .02996 .02979	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05410272  Conductivity Deviation from Coreistion percent .91 .91 .55 .17 .69 1.14 .93 1.11 .20 .5682 -1.23 -1.84
101008 101007 101006 101005 101004 101003 101002 101001 Pun Pt. 99137 99136 99135 99134 99132 99139 99129 99128 99127 99126 99127	39.728 39.727 39.724 39.725 39.721 46.776 46.777 46.777 46.767  Pressure MP8 .478 .479 .479 .479 1.344 1.344 1.344 1.345 2.429 2.427 2.427 2.427	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.705 289.705 289.081  Temperature  K  312.807 311.8400 310.863 316.025 309.233 312.023 311.200 310.261 309.620 312.256 311.560 310.787	16.2844 16.3322 16.3753 16.4049 15.4419 15.9272 16.9634 17.9942 16.975 1876 1898 1898 1898 1898 1898 1898 1898 189	1.03719 .89553 .76242 .64117 .52925 1.03459 .89719 .74477 .64302 Power W/m .20392 .17180 .14254 .11587 .09204 .20395 .17148 .11591 .23970 .20388 .17173	.10458 .10294 .10119 .10244 .11055 .11380 .11456 .11404 Experimental Themal Conductivity W/m.K .02870 .02856 .02831 .02808 .02811 .02956 .02938 .0293	.005 .002 .003 .005 .005 .001 .001 .001 .001 .002 .002 .002 .003 .001 .002 .003 .001 .002	.1C161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429  Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02842 .02832 .02821 .02836 .02940 .02934 .02940 .02913 .03049 .03099 .02979 .03175	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05410272  Conductivity
101008 101007 101006 101005 101004 101003 101002 101001 Pun Pt. 99137 99136 99135 99134 99133 99132 99139 99128 99129 99128 99127 99126	39.728 39.727 39.724 39.725 39.721 46.776 46.777 46.770 46.767  Pressure MPa .478 .478 .479 .479 .479 .479 .479 .479 .479 .479	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.081 Temperature K 312.807 311.860 310.863 310.025 309.233 312.023 311.209 310.263 329.620 312.276 311.560 310.263	16.2844 16.3322 16.3753 16.4049 15.4419 16.8874 16.9942 16.994	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .76477 .64302  Power V/m .20392 .17180 .14254 .11587 .09204 .20395 .17198 .14248 .11591 .23970 .20388 .17173 .14246	.10458 .10294 .10119 .10246 .11055 .11350 .11456 .11404 Experimental Thermal Conductivity W/m.K .02870 .02870 .02871 .02808 .02831 .02808 .02811 .02956 .02930 .022894 .03017 .03979	.005 .002 .003 .005 .005 .001 .001 .001 .001 .002 .002 .003 .001 .002 .003 .001	.1C161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02842 .02835 .02940 .02934 .02934 .02940 .02934 .03049 .03009 .02996 .02979	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05410272  Conductivity Deviation from Coreistion percent .91 .91 .55 .17 .69 1.14 .93 1.11 .20 .5682 -1.23 -1.84
101008 101007 101006 101005 101004 101003 101002 101001 Pun Pt. 99137 99136 99135 99134 99132 99139 99129 99128 99127 99126 99127	39.728 39.727 39.724 39.725 39.721 46.776 46.777 46.777 46.767  Pressure MP8 .478 .479 .479 .479 1.344 1.344 1.344 1.345 2.429 2.427 2.427 2.427	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.795 289.795 289.795 289.795 311.860 310.863 310.025 309.233 312.023 311.209 310.263 309.620 317.256 311.560 310.474	16.2844 16.3322 16.3753 16.4049 15.4419 15.9272 16.9634 17.9942 16.975 1876 1898 1898 1898 1898 1898 1898 1898 189	1.03719 .89553 .76262 .64117 .52925 1.03659 .89719 .74477 .64302  Power V/m .20392 .17160 .14254 .11587 .09204 .20395 .17198 .14248 .11591 .23970 .20388 .17173 .14246 .23859	.10458 .10294 .10119 .10244 .11055 .11380 .11456 .11404 Experimental Themal Conductivity W/m.K .02870 .02856 .02831 .02808 .02811 .02956 .02938 .0293	.005 .002 .003 .005 .005 .001 .001 .001 .001 .002 .002 .002 .003 .001 .002 .003 .001 .002	.1C161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429  Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02842 .02832 .02821 .02836 .02940 .02934 .02940 .02913 .03049 .03099 .02979 .03175	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05410272  Conductivity
101008 101007 101006 101005 101004 101002 101001 101002 101001 8un Pt. 99137 99136 99135 99134 99132 99132 99132 99128 99127 99126 99127 99126 99124 99123	39.728 39.727 39.724 39.725 39.721 46.776 46.770 46.770 46.767  Pressure MPa .478 .479 .479 .479 .479 .479 .479 .479 .479	291.885 290.879 289.348 288.564 291.556 290.635 289.705 289.081  Temperature  K  312.807 311.840 310.863 310.025 309.233 312.025 309.233 311.209 310.263 309.620 312.256 311.560 310.787 311.889	16.2844 16.3322 16.3753 16.4049 15.4419 16.9874 16.9272 16.9634 16.9942 Density mai/L .1370 .1876 .1898 .5464 .5499 1.0275 1.0347 1.0343 1.5107 1.5165	1.03719 .89553 .76242 .64117 .52925 1.03459 .89719 .74477 .64302  Power W/m .20392 .17180 .14254 .11587 .09204 .20395 .17198 .11597 .20388 .17173 .14246 .23870 .20388 .17173	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K .02870 .02856 .02831 .02808 .02811 .02938 .02930 .02930 .02930 .02656 .03017 .07994 .03017	.005 .002 .003 .005 .005 .001 .001 .001 .001 .002 .002 .002 .002	.1C161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429  Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02842 .02836 .02940 .02934 .02934 .02940 .02934 .02940 .02934 .02940 .02936 .02940 .02937 .03138	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05 41 02 72 Conductivity Deviation from Corelation percent .91 .91 .95 .17 .69 1.11 .70 .55 72 84 .40 84
101008 101007 101006 101005 101003 101002 101001 Pun Pt. 99137 99136 99135 99134 99133 99132 99139 99129 99128 99127 99128 99127 99125 99125 99125	39.728 39.727 39.724 39.725 39.721 46.776 46.770 46.770 46.767  Pressure MPa .478 .479 .479 .479 .479 .479 .479 .479 .479	291.885 290.879 289.967 289.348 288.564 291.555 290.635 289.705 289.705 289.705 289.2081  Temperature  K  312.807 311.8400 310.863 310.025 309.233 312.023 311.208 310.263 309.620 312.256 311.560 310.474 311.389 311.132 310.419	16.2844 16.3322 16.3753 16.4049 15.4419 16.9874 16.9272 16.9634 16.9942 16.9634 16.9942 16.9634 1898 1898 1898 1898 1898 1898 1898 189	1.03719 .89553 .76262 .66417 .52925 1.03659 .89719 .76477 .64302  Power V/m .20392 .17180 .14254 .11587 .09204 .20395 .17198 .14248 .11591 .23970 .20388 .17173 .14246 .23859 .23877 .7177 .7177 .71782 .23861	.10458 .10294 .10119 .10246 .11055 .11380 .11456 .11404 Experimental Thermal Conductivity W/m.K .02870 .02870 .02866 .02831 .02956 .02931 .02956 .02930 .02694 .03017 .07994 .02972 .03169 .03149	.005 .002 .003 .005 .005 .001 .001 .001 .001 .002 .002 .003 .001 .002 .003 .001 .002 .003 .001	.10161 .10451 .10302 .10138 .10279 .11035 .11377 .11468 .11429 Adjusted Thernal at a Nominal Temperature of 310.9K W/m.K .02842 .02842 .02842 .02832 .02836 .02940 .02934 .02940 .02931 .03049 .0309 .03175 .03138 .03156	-4.60 -2.24 -4.20 -6.24 -5.22 -3.05410272  Conductivity Deviation from Corelation percent .91 .91 .55 .17 .69 1.14 .93 1.11 .70 .5582 -1.23 -1.84 .4(8431

99117	4.327	310.03?	2.0173	.17164	.03241	.002	.03253	-1.68
99116	5.101	311.789	2.4444	.27616	.03483	.001	.03472	.98
99115	5.101	311.204	2.4537	.23841	.03426	.003	.03422	53
							•03395	-1.43
99114	5.101	310.507	2.4650	.203F2	.03390	.004		
99112	5.891	311.443	2.9458	.27509	.03654	• 002	.03648	1.31
99111	5.691	310.706	2.9617	.23847	.03621	•002	•03624	.51
99110	5.891	310.210	2.9725	.20378	.03526	• 0 0 5	.03535	-2.10
99109	5.890	309.442	2.9843	.17177	•93488	•002	•03504	-3.11
99108	6.444	311.152	3.3249	.27604	.03692	.003	•03689	-1.11
99107	6.444	310.465	3.3431	.23848	.03812	.002	.03817	2.11
99106	6.444	309.958	3.3568	.20378	.03626	.005	.03637	-2.87
99105	5.444	309.533	3.3583	.17169	.03695	.005	.03711	93
99104	7.076	311.524	3.7649	.31599	.03915	.006	.03909	.48
							.03966	1.74
99103	7.076	310.584	3.7826	.27639	.03967	.005		
99102	7.075	310.185	3.8089	.23857	.03939	.003	•93947	1.00
30101	7.075	309.692	3.8250	.20383	.03927	.002	.03940	• 68
99100	7.824	310.845	4.3609	.31642	.04177	.002	.04178	1.31
00000	7.824	310.276	4.3848	.27611	•04089	.005	.04095	92
99098	7.824	309.787	4.4059	.23862	.04173	.002	.04183	1.00
99097	7.824	309.211	4.4312	.20378	.04100	.006	.04115	83
99096	8.429	311.284	4.8291	.35985	.04390	.003	.04387	1.59
99095	8.428	310.595	4.9578	.31673	.04325	.002	.04327	07
39094	8.428	310.090	4.8888	.27523	.04374	.003	.04381	. 86
09193	8.428	309.477	4.9208	.23845	.04299	.004	.04310	-1.08
99092	8.624	312.001	4.9528	.40510	.04385	.005	•04377	.14
99091	8.624	311.452	4.9813	.35007	.04481	.007	.04477	2.11
99090	8.624	310.730	5.0195	.31673	.04435	.005	.04436	. 84
99089	P.624	310.190	5.0490	.27644	.04437	.004	.04442	.69
23068	9.311	312.096	5.5218	.45460	.04751	.002	.04744	2.59
99987	9.311	311.359	5.5672	.40579	.04742	.002	•04739	2.07
99086	9.311	310.840	5.5999	.35977	.04623	.003	.04683	.59
99085	9.311	310.242	5.6382	.31529	.04620	.006	.04624	-1.07
99083	10.047	311.847	5.1667	45468	.04987		.04983	1.36
						• 002		
99082	10.047	311.241	6.2105	•40595	.04941	.003	.04940	.09
99081	10.047	310.693	6.2514	.35974	.04851	.007	.04852	-2.11
99084	10.047	310.153	6.2912	•31674	.04856	.007	• 048 59	-2.34
99080	10.624	312.147	5.6368	•50666	•05230	.002	• 05226	1.79
99079	10.625	311.643	6.6770	.45497	.05213	.002	.05211	1.14
99078	10.524	311.004	6.7277	.40614	.05229	.001	.05229	1.03
99077	10.524	310.558	6.7633	.36003	.05221	.002	.05222	.58
99076	11.180	312.056	7.1291	.50672	.05346	.003	.05344	15
99075	11.180	311.412	7.1636	.45491	.05399	.002	.05398	.40
99074	11.181							
		310.586	7.2007	.40588	.05391	.002	.05391	05
99073	11.181	310.255	7.2646	.36001	.05412	.002	.05413	19
99072	11.794	312.113	7.5009	•56076	.05627	• 105	.05626	. 8.8
99271	11.795	311.699	7.6386	•59633	.05653	.003	•05652	1.04
99070	11.795	311.175	7.5859	.45470	.05615	.002	.05615	• C O
99069	11.795	310.663	7.7325	.40581	.05539	.010	•05539	-1.74
99968	12.434	311.999	8.1037	.55030	.05778	.002	.05777	40
99067	12.434	311.402	8.1594	.50510	.05825	.002	.05825	01
99066	12.434	310.991	8.1975	.45451	.05784	.005	.05784	-1.00
99065	12.434	310.286	8.2542	40595	.05727	.015	.05727	-2.51
99064	12.994	311.778	8.5314					
99053				•55988	.05963	•002	•05963	40
	12.994	311.265	8.5797	•50573	.05983	•003	.05983	40
99062	12.992	310.693	8.6324	•45447	.05932	• 0 0 2	.05932	-1.54
99059	13.501	311.762	8.8798	.56071	.06082	• 0 0 5	.05082	86
90058	13.501	311.211	8.9319	.50675	.96005	.004	.06005	-2.51
99057	13.501	310.518	8.9987	.45379	.06081	.002	.06081	-1.69
99060	13.501	310.292	9.0204	.40599	.06050	.004	.06050	-2.35
99056	14.713	311.971	9.6096	.61766	.06423	.001	.06422	18
99055	14.713	311.542	9.6495	.56024	.06410	.001	.06409	62
99054	14.712	311.080	9.6925	.50629	.05413	.004	.06413	R4
99953	14.712	310.516	9.7452	.45445	.06411	.003	.06412	-1.18
99052	15.670	311.812	10.1415	.61750	.06656	.003	.06554	•11
99051	15.671	311.153	10.2015	.55997	.06654	.001	.06553	26
99050	15.669							
		310.857	19.2277	•50603	.06625	-002	.06625	85
29048	16.408	311.655	10.5141	.51731	.06788	.003	.06765	10
99046	16.410	310.855	10.5363	.55929	.06786	.001	.05785	60
99045	16.412	310.140	10.6509	.45374	.04772	.302	.06775	-1.17
99044	17.846	311.655	11.1296	.61801	.07123	.002	.07119	.87
99743	17.845	311.152	11.1715	.56122	.07114	.002	.07113	. 5.2
99042	17.845	310.578	11.2196	.50631	•07096	.002	.07098	.02
99941	17.845	310.099	11.2598	.45473	.07106	.002	.07111	05
99040	18.996	312.214	11.5115	.57988	.07283	.002	.07274	. +2
99039	18.996	311.701	11.5524	.62026	.07357	.002	.07352	1.41
99038	18.995	311.371	11.5783	.56377	.07384	.001	.07381	1.64
99037	18.995	310.872	11.6186	45829	.07398	.002	.07398	
99036								1.51
	21.036	311.758	12.1942	.57619	.07698	.001	.07690	1.60
99035	21.034	311.165	12.2375	.61813	•07712	.001	.07710	1.55
99034	21.034	310.821	12.2630	.56081	.07707	• 005	.07708	1.35
99033	21.035	300.925	12.3294	.45441	.07669	.001	. 27679	* 1 A
99032	22.981	311.446	12.7329	.67740	40080.	.002	.06000	1.63
99031	22.981	311.050	12.7502	.61746	.07912	.002	.07911	.31
99030	22.982	310.587	12.7922	.55061	.07997	.002	.08001	1.19
99029	22.992	309.843	12.8437	.45473	.07962	.002	.07974	. 47
99028	24.941	312.300	13.1247	.80480	.08263	.001	.08185	. + 4
								•

99027	24.939	311.421	13.1811	.67751	. 38294	.002	•08288	1.65
99025	24.940	310.636	13.2321					
				.56079	.0F295	.001	•08299	1.37
99025	24.93P	309.721	13.2909	.45456	.08256	.002	.08271	• 5 7
99024	27.877	312.133	13.7984	.80523	.08529	.002	.08512	
								09
99023	27.877	311.245	13.7513	.67801	.08700	.001	• 08695	1.57
99022	27.877	310.441	13.8093	.56117	.06663	.001	.08670	• 87
99921	27.877	309.605	13.8592	.45520				
					• 28686	.001	.08705	• 63
99020	30.946	312.217	14.2081	-80785	.08953	•002	.08933	.27
99019	30.948	311.240	14.2625	.67921				
				_	.39076	.001	.09071	1.29
9901P	30.951	310.703	14.2927	•5627R	•09110	.002	•09113	1.47
99017	30.951	310.478	14.3053	.45898	.09168	.001	.09175	2.07
99016	34.782	311.794	14.7642	.80653	.09467	.001	• 09453	• 64
99015	34.752	310.948	14.8071	.47843	.09496	.001	.09495	.67
99014	34.7º3	310.174	14.8471	.56119	.09496	.001	•09508	-41
9901/3	34.782	309.436	14.8849	.45500	.09457	.002	.39482	24
99012	39.851		15.3265					
		312.338		.94549	·10035	.001	•16u10	• 73
99011	39.862	311.505	15.3660	.80679	•1C315	.002	•10005	• 2 8
99013	39.862	310.672	15.4054	.57852	.09972	.002	.09976	
								42
99009	39.863	310.078	15.4336	•56099	•10063	.002	•100 <b>7</b> 8	•31
99008	46.825	312.033	16.0029	.94637	.10740	.001	.10719	. 48
99107								
	46.P22	310.865	16.0532	.80627	.10679	.002	•10630	43
99006	46.826	310.369	16.0750	.57868	•10767	.002	•10777	• 24
99005	46.822	309.717	16.1028	.56164	.10834	.002	.10856	.67
99004	53.788	311.432	16.5744	• 94666	•11409	.002	•11399	.40
99003	53.788	311.172	14.5849	.80861	.11433	.001	•11428	.54
9 9 0 0 S	53.790	313.184	16.5248	.67904	•11428	• 332	•11442	• 22
99061	53.788	309.575	16.6492	.54166	.11494	.002	•11520	• 62
					•			• • • •
					Experimental		Adjusted Thermal	Conductivity
					Thermal		at a Nominal	Deviation
0	D	T	D = = 1 A	Power		CTAT		
Pun Pt.	Pressure	Temperature	Density		Conductivity	STAT	Temperature of 330.3K	tron Corelation
	MPg	Y	mol/L	W/m	₩/m.K		₩/m⋅K	percent
100132	.398	331.692	.1451	.19719	.03149	.002	•03126	•69
100131	.399	330.880	.1466	.16621	.03127	.002	.03118	.32
100130	.399	329.094	•1470	.13782	.03130	. )03	•03135	• 87
100133	• <b>39</b> 8	329.272	.1472	.11217	.03103	.003	.03120	• 38
100129	1.349	331.810	.5086					
				.23119	.03233	.301	.03209	.39
100128	1.350	331.205	.5098	.19721	.03204	.002	.03190	22
100127	1.350	330.198	.5116	.16656	.03203	.002	.03205	.24
100125	1.350	329.466	• 5131	•13 78 7	.03183	.002	•03196	03
100125	2.569	332.067	1.0046	.26741	.03354	.001	.03326	•17
100124	2.569	331.309	1.0077	.23104	.03318	.002	.03302	58
100123	2.570	330.525	1.0111	•19734	.03333	• 302	• 6 3 3 3 0	.23
100122	2.570	329.735	1.0144	.15627	.03285	.002	.03294	87
100121	3.624	331.628	1.4695	.26743	• 03 465	.001	.03444	•12
100119	3.624	330.070	1.4802	.19745	.03429	.002	.03433	30
100118	3.624	329.578	1.4836	•16632	•03403	.002	.03414	87
100117	4.754	331.254	2.0076	.26764	• 03 5 7 7	.001	.03563	63
100116	4.754	330.817	2.0124	.23125	.03517	. 303	.03509	-2.20
100115	4.754	329.845	2.0226	•19740	•03522	.002	•03529	-1.70
100114	4.755	329.098	2.0309	.15632	.03520	.003	.03538	-1.50
100112	5,669	330.768	2.4799	•26770	.03668	.002	.03661	-1.56
100111	5.668	330.324	2.4860	.23115	.03668	.003	•03668	-1.43
100110	5.658	329.565	2.4970	.19734	.03622	.003	.03633	-2.49
100109	6.552	331.357	2.9487	•306PB	.03873	.001	•03858	. 51
100108	6.552	330.555	2.9635	.26761	.03892	.002	.03889	. 67
100107	6.552	330.109	2.9723	.23125	.03788	• 004	.03791	-1.96
100106	6.552	329.447	2.9848	.19747	.33757	.003	.03769	-2.65
100105	7.248	331.396	3.3437	.30653	.03924	.004	.03909	-1.94
							00077	
100104	7.248	330.545	3.3529	.25794	•03980	.004	.03977	27
100103	7.249	329.796	3.3808	.23137	.03963	•002	.03970	59
100102	7.250	329.198	3.3949		.03875	.005	.03890	-2.77
				•19749				
100101	8.094	331.471	3.8452	.34868	.04125	.004	.04113	87
100100	8.094	331.037	3.8574	.30663	.04148	.005	.34139	28
100099	8.094	330.050	3.8852	.26783	.04249	.002	.04252	2.17
100098	8.094	329.515	3.9007	.23131	.04045	.092	.04055	-2.72
100097	8.938	331.256	4.3774	.34896	.04403	.003	.04392	1.37
130095	8.938	330.612	4.3992	.30714	.04411	.004	.04408	1.54
103095	8.937	329.804	4.4272	.26789	.04293	.002	.04299	-1.19
100094	8.935	329.264	4.4452	.23111	.04438	.002	.04450	2.10
100092	9.733	331.694	4.8720	.35042	.04533	.006	.04519	•10
								1.05
100090	9.733	331.160	4.8933	.27123	.04579	.003	.04570	
100091	9.734	330.972	4.9016	.30924	.04641	.002	.04634	2.35
100093	9.734	329.702	4.9545	.23254	.04446	.004	.04452	-2.09
100088	10.397	331.469	5.3163	.39422	.04737	.005	•04726	• 87
100089	10.397	331.429	5.3184	.39434	.04761	.004	.04751	1.37
100087	10.398	330.674	5.3535	. 34 95 1	.04865	.003	.04952	3.34
100386	10.397	330.306	5.3701	.33780	.04625	.005	.04625	-1.75
100085	10.397	329.956	5.3856	.26876	.04592	.005	.04595	-2.55
100084	11.165	331.001	5.8483	.39243	.04855	.011	.04849	98
			5.9091	.30626	.04862	.007	.04866	-1.16
	11,165			8 2 2 2 2 2 2	30400	0.501	# 0 T( 00	****
100082	11.165	329.844			01000	001	01011	-1 0.0
100081	11.165	329.184	5.9448	.26688	.04837	.005	.04846	-1.88
100081	11.165	329.184	5.9448	• 26688				
100081 100080	11.165 11.680	329.184 331.109	5.9448 6.1838	.26688 .39337	.05046	.013	.05040	•11
100081 100080 1000 <b>7</b> 9	11.165 11.680 11.580	329.184 331.109 330.655	5.9448 6.1838 6.2091	.26688 .39337 .34926	.05046	.013	.05040 .04999	•11 -•93
100081 100080	11.165 11.680	329.184 331.109	5.9448 6.1838	.26688 .39337	.05046	.013	.05040	•11

100075	12.559	329.973	6.9264	.34939	.05300	.003	.05302	03
100073	12.:53	329.392	5.8652	.26848	.05378	.005	.05383	1.17
100072	13.378	330.274	7.3266	.39318	.05602	.002	.05602	1.54
100070	12.378	329.209	7.3990	.30649	.05500	.005	.05505	75
100069	13.379	328.755	7.4292	.25733	.05479	.004	.05486	-1.34
100065	14.092	329.651	7.8025	.34805	.05732	.007	.05736	.29
100057	14.090	328.657	7.8714	.26782	.05701	.007	.0570в	71
100052	14.854	330.179	9.2056	.43937	.05887	•002	.05888	07
100054	14.852	329.233	8.2692	.34846	.05922	.003	•05926	.13
100060	16.005	331.203	A.7481	.54204	.06139	.003	.06135	.19
100059	16.009	330.454	8.9028	.48974	.060F2	. 205	.06081	-1.09
100057	16.010	329.649	8.8615	.39229	.06051	.014	.06054	-1.97
100056	16.485	331.001	9.0977	.54222	• 26305	.002	· n 6 3 0 2	. 44
100055	36.685	330.685	9.1201	.48989	.05332	.002	.06330	•74
100054	15.584	329.897	9.1754	.43967	.05252	.002	.06254	87
100051	18.075	330.80F	9.7382	.54187	.06589	.002	.06586	. 53
100049	10.077	329.809	9.8099	.43952	.06525	.004	.06528	84
100)52	18.074	329.591	9.9247	.39333	.05614	.002	.06519	•43
100047	19.254	331.281	10.1793	.59763	.06795	•002	.36789	. 63
120046	19.254	330.755	10.2160	•54265	•06828	.002	•06825	.91
100049	19.252 19.256	330.370 329.696	10.2421	.49065 .43984	•36795 •06739	.001 .002	•06795 •06743	.29 85
100045	20.592	331.519	10.6810	•65501	.06967	• 004	.06958	27
100044	20.592	331.125	10.7076	.59824	.07089	.001	.07083	1.32
100042	20.693	330.811	10.7293	•54293	06990	.002	.06985	19
100041	20.593	329.714	10.8040	.43968	.07085	.901	.07089	.76
100040	22.324	331.997	11.1783	.71518	.07356	• 225	.07342	1.69
100039	22.333	331.180	11.2248	.55425	.07417	.002	.07409	2.25
100039	22.333	330.389	11.2756	.54174	.07411	.003	.07410	1.92
100037	22.335	329.193	11.3565	.43874	.07372	.003	.07382	. 99
100036	24.124	331.445	11.7068	.71373	.07458	•002	.07446	64
100035	24.125	330.944	11.7384	.65355	.07625	.002	.07518	1.41
100034	24.126	330.087	11.7925	.54077	.07534	.002	.07536	06
100033	24.127	328.919	11.9664	.43901	.07564	.002	.07579	C 4
100032	26.205	331.558	12.2064	.77686	.07848	.001	.07833	.71
100031	26.205	330.728	12.2564	.65339	.07839	.002	.07834	• 34
100030	26.206	329.870	12.3080	.54127	.07859	.001	.07864	• 32
100027	26.929	330.579	12.8139	.65427	.08150	.001	.08146	16
100026	29.830	329.722	12.9626	.54163	.08136	.002	.08144	59
100025	28.831	329.707	12.9202	.43881	.08170	.001	.08192	48
100024	31.539	331.397	13.2749	•77755	.08469	•002	.08453	32
100023	31.639	330.256	13.3356	·65384	.08533	.001	.08534	•11
100022	31.639 31.639	329.463 328.654	13.3782 13.4214	.54089 .43892	•08568 •08483	.001 .002	.08601 .08508	•52 -•94
100021	35.053	331.020	13.8243	.77577	•08931	.002	.08920	.21
100019	35.065	330.235	13.8641	.55409	.08875	.001	.08875	64
100018	35.067	329.386	13.9069	.54142	.08797	.002	.08812	-1.77
100017	35.070	328.735	13.9401	43932	.08970	.002	.08995	.01
100016	38.571	331.745	14.2564	.91242	.09193	.001	.09158	-1.03
100015	38.571	330.833	14.3006	.77771	.09248	.001	.09239	67
100014	38.573	330.137	14.3339	.65397	.09289	.001	.09292	42
100013	38.574	329.127	14.3821	.54103	.09197	.002	.09217	-1.69
100012	43.140	331.491	14.7949	.91228	.09723	.001	.09702	55
100011	43.141	330.719	14.8296	.77857	.09865	.001	.09858	.70
100010	43.144	329.808	14.8706	.65504	.09789	.001	.09798	31
100009	43.147	329.075	14.9037	.54121	.09800	.001	.09922	39
100008	47.041	331.245	15.2802	.91314	.10287	.001	•10269	.29
100007	47.943	330.518	15.3112	.77835	.10242	.001	.10238	33
100006	47.945	329.461	15.3561	.65428	•10245	.001	.10261	57
100005	47.946	328.943	15.3782	.54188	.10217	.002	.10243	-, GR
100004	55.082	331.815	15.8569		.10963	.001	.10933	. 59
100003	55.083	330.967	15.8905	.91338	.10863	.001	.10850	53
100002	55.085	330.245	15.9194	.77953	.10843	•002	.10844	69
100001	55.090	329.382	15.9538	.65535	•10925	•005	.10943	34

4. Results for a 35/65 Mixture of Methane-Ethane.

END

A total of 645 points are given in table 3. The actual mole fraction of methane in the mixture is 0.34588 with the balance ethane. The computer programs developed for the thermal conductivity surface of this mixture are shown below. The equation of state used for this mixture is given in [14].

```
FUNCTION TC3565(RHO,T)
      COEF. FROM TCO21, FIRST PASS, 28 MAR 85
C
      DIMENSION A(3),B(5)
      DATA A/ .2849547E-01,-.1971104E-03, .6064916E-06/
      DATA B/ .2294100E-02,-.1757653E-05, .1023516E-04,
       .8856678E-08, .6095540E-08/
      TC ZERD=A(1)+4(2)+T+A(3)+T++2
      EXCESS=(8(1)+8(2)*T)*RHO+(8(3)+8(4)*T)*RHO**3+8(5)*RHO**5
      TC3565=TCZERD+FXCESS+CR3565(RHD,T)
      RETURN
      END
      FUNCTION CR3565(RHO, TEMP)
      COEF. FROM TCO21 AND MINIMS, FIRST PASS, 28 MAR 85
C
      DIMENSION C(6)
      DATA (TC=278.910), (RHOC=8.06)
      DATA C/ .6371161E-01,-.27290C0E+03, .6649022E-01,-.17534F7E-03,
     1 -.2242510E+00, .2417181E+00/
      T=TEMP
      IF(T.LT.TC) T=TC
      DEN=RHO
      IF(T.LT.382.509) GD TO 4
    5 CR3565=0.
      RETURN
    4 CONTINUE
      AMPL=C(1)/(T+C(2))+C(3)+C(4)*T
      DELRHO-DEN-RHOC
      X1=C(5)*DELRHD
      IF (DEN.GT.RHOC) X1=C(6)*DELRHO
      CR3565 = AMPL * EXP(-X1 * * 2)
      RETURN
```

Table 3. The Thermal Conductivity of a 35/65 Methane-Ethane Mix

					Experimental		Adjusted Thermal	Conductivity
					Thermal		at a Mominal	Deviation
Run Pt.	Pressure	Temperature	Density	Power	Conductivity	STAT	Temperature of 152.1K	from Corelation
	MPa	K	mol/L	W/m	W/m.K		₩/m.ĸ	percent
11200/	1 700	152 400	20.8237	1 25222	.18162	.001	•18160	88
112024 112023	1.702 1.700	152.600 152.105	20.8484		.18244	•001	.18244	73
112022	1.598	151.875	20.8598		.18422	.001	.18423	•11
112021	1.692	151.489	20.3789	.92881	.18235	.001	.18237	-1.15
112020	9.750	153.014	21.0508	1.37295	.18882	.001	•18879	• C 5
112019	9.743	152.654	21.0774	1.25416	.18911	.001	.18909	• C1
112018	9.740	152.223	21.0975		•18941	.001	•18941	08
112017	9.733	151.679	21.1227		•18647	.003	.18648	-1.96
112016	17.555	152.874	21.2967		•19512	.001	.19509	• 41
112015	17.542	152.522	21.3120		.19401	.003	•19399	34
112014	17.539	152.049	21.3328		.19565	•901	.19565	• 25
112013	17.530 25.842	151.518 152.807	21.5248		•19417 •20105	.002 .001	•19419 •20102	79 .59
112012 112011	25.845	152.439	21.5405		•20107	.001	•20126	•51
112011	25.837	151.704	21.5713		.20065	.001	.20065	16
112009	25.844	151.358	21.5861		.20023	.001	.20026	55
112008	33.388	152.937	21.7100		.20477	.003	.20474	•13
112007	33.366	152.615	21.7226		. 20 5 4 8	.002	.20-46	•33
112006	33.343	152.147	21.7411	1.24779	.20592	.001	.20592	.33
112005	33.322	151.769	21.7559	1.13540	.20636	.001	.20637	.37
112004	34.664	152.020	21.7781	1.47843	.20498	.001	.20498	58
312003	34.547	151.695	21.7908		•20574	.001	•20576	35
112002	34.638	150.940	21.8211		.20661	.001	.20666	30
112701	34.628	150.822	21.8256	1.13091	.20463	.002	•20468	-1.32
					Experimental		Adjusted Thermal	Conductivity
					Thermal		at a Nominal	Deviation
Run Pt.	Pressure	Temperature	Density	Power	Conductivity	STAT	Temperature of 176.94	from Corelation
	MPB	K	mol/L	W/m	₩/m•K		₩/m⋅K	percent
112044	2.099	178.109	19.4955	1 22051	.15570	.001	•15564	17
112043	2.099	177.600	19.5238		•15591	.001	•15588	38
112042	2.098	177.028	19.5556	.99997	•15616	•001	•15616	60
112041	2.098	176.545	19.5824	39230	.15671	.001	•15673	58
112040	8.506	177.911	19.7985		.16149	.002	•16144	36
112039	8.503	177.323	19.8284		.16246	.001	.16244	12
112038	8.500	176.844	19.8528	.99918	•16317	.001	.16318	.03
112037	8.499	176.513	19.8696	69090	.15287	.002	.16289	36
112036	14.971	177.702	20.0711	1.23629	•16771	.001	.16767	02
112035	14.967	177.247	20.0927		•16820	.002	.16818	• 02
112034	14.964	176.808	20.1135	.99938	•16895	.001	•16895	.21
112033	14.958	176.495	20.1282	.99213	•17035	.001	.17037	. 86
112032	21.426	177.529	20.3157		.17354	.001	•17351	.32
112031 112030	21.417 21.409	176.993	20.3395	•99651	•17349 •17387	• 001	•17349 •17390	· C1
112029	21.400	176.492 175.045	20.3618 20.3816	.88805	.17447	.001	•17452	04
112028	27.825	177.355	20.5373		17913	.002	•17911	.71
112027	27.821	175.744	20.5634		.17893	.002	.17894	. 29
112026	27.818	175.021	20.5943	.88871	.19009	.001	.10014	.57
112025	27.815	175.594	20.5125	.78730	.18135	.001	.18143	1.05
					Experimental		Adjusted Thermal	
0	0	T			Thermal		at a Nominal	Devietion
Run Pt.	Pressure	Temperature	Density	Power	Conductivity	STAT	Temperature of 202.7K	
	MPa	K	TOI/L	¥ / m	W/m.K		<b>⊾/</b> m⋅K	parcent
112064	2.732	203.239	18.0208	1.02856	.12854	.003	•12850	-1.52
112063	2.731	202.701	18.0559	.91114	.12988	.003	.12988	96
112062	2.730	202.179	18.0890	.90028	•13071	.002	.13074	67
112061	2.728	201.412	18.1394	•59730	.13119	.001	•13128	90
112060	9.127	203.543	18.4455		•13746	.001	.13740	2 Ł
112059	9.124	202.975	18.4787		.13799	.001	.13797	26
112058	9.120	202.628	18.4982		.13995	.024	.13995	. 8 9
112057	9.122	201.946	18.5371	.80010	•13923	•905	•13928	08
112056 112055	15.733	203.554	18.8257 18.8544		•14455	.001	.14448	12
112054	15.724 15.725	202.987 202.377	18.8857		•14568 14622	.001	.14566	. 3 2
112053	15.714	202.005	18.9041		.14622 .14634	.002	•14624 •14539	.33
112052	22.471	203.282	19.1704		.15170	.002	.15165	. 3 &
112051	22.476	202.657	19.2001		.15049	.004	.15049	P3
112049	22.450	202.448	19.2092		.15249	.001	•15251	.39
112050	22.474	201.585	19.2505	.80183	.15091	.007	.15099	-1.14
112048	28.764	203.755	19.4211	1.28962	.15806	.003	.15797	1.26
112047	28.762	203.176		1.15635	.15404	.01?	.15400	-1.56
112046	28.760	202.608	19.4717		.15918	.OC4	.15918	1.32
112045	28.734	202.222	19.4877	.91414	.156?5	.005	.15539	45

					Experimental		Adjusted Thermal	Conductivity
					Thermal		at a Nominal	Osviation
Run Pt.	Pressure	Temperature	Density	Power	Conductivity	STAT	Temperature of 227.7K	from Corelation
	MPa	К	mol/L	W/m	₩/m⋅K		₩/m.K	percent
113008	.363	230.414	.1981	.10589	.01685	.003	.01653	37
113007	.363	229.434	.1991	.08505	.01667	.005	•01653	99
113006	.363	228.589	.2001	.06823	.01662	.007	.01655	90
113005	.363	227.729	•2010	.05251	.01661	•010	•01661	<b>~</b> •56
113904	.903	229.515	. 5363	.10560	.01767	.004	.01753	-1.06
113003	• 905	228.706	•5399	.08575	.01750	•005	•01742	-1.74
113002	.906	227.881	.5438	.05806	.01740	.007	.01739	-2.01
112085 112083	3.692 3.693	228.957 228.101	16.2129	.92096	•10636 •10711	•005 •002	•10625 •10797	• 81 • 67
112084	3.592	227.399	16.3455	.80271	.10723	.002	.10726	.11
112082	3.691	225.703	16.4034	.69097	10854	.003	•10863	• 65
112081	3.691	225.070	16.4556	.58919	.10794	.001	.10808	51
112080	10.747	228.362	17.0702	1.04332	.11808	.001	•11802	•52
112079	10.745	227.901	17.0995	.91889	.11802	.001	.11800	•13
11207R	10.744	227.182	17.1453	.79907	.11998	.004	.12003	1.24
112077	10.741	226.697	17.1759	.58923	.11 966	.002	•11975	• 63
112076	17.630	228.094	17.6427		.12673	.002	.12669	•31
112075	17.631	227.415	17.6799	•91596	.12651	.003	.12654	29
112074 112073	17.528 17.527	226.918 226.272	17.7067 17.7417	.79791 .68774	•12747 •12849	.001 .006	•12755 •12863	•16 •56
112072	24.631	227.836	18.1055		.13415	.002	•13414	•10
112071	24.632	227.294	18.1319	.91531	.13401	.005	.13405	30
112070	24.533	226.649	18.1633	.79759	•13502	.001	•13512	.10
112069	24.626	224.154	18.1864	.68774	.13354	.004	.13369	-1.27
112068	31.498	228.171	18.4586	1.17502	.14108	.003	.14103	.60
112067	31.504	227,597	18.4846		•14097	.001	•14098	• 23
113066	31.505	227.053	18.5080	.91519	•14234	.003	.14241	• 93
117065	31.500	226.514	18.5326	.79714	.14072	.012	.14084	48
					Experimental		Adjusted Thermal	Conductivity
					Thermal		at a Nominal	Oevlation
Run Pt.	Pressure	Temperature	Density	bower	Conductivity	STAT	Temperature of 238.9K	
	MPa	К	mol/L	₩/m	W/m⋅K		W/m.K	percent
113020	.345	240.134	.1797	.11056	.01781	.004	•01770	• 55
113019	.345	239.256	·1804	.08991	.01771	.005	.01768	. 44
113018	.345	238.391	.1813	.07128	.01769	.007	.01774	•76
113017	• 345	237.537	.1821	.05488	•01771	.010	.01784	1.29
113016	.818	240.420	.4494	.13344	.01871	.003	.01857	. 94
113015	.818	239.502	.4517	.11053	.01851	• 004	.01846	.29
113014	.818	238.568	•4543	.08972	.01851	.305	.01854	. 70
113013	.818 1.236	237.837	•4552	.07123	.01R29	.007	.01839	16 16
113012 113011	1.238	240.207 239.045	.7199 .7271	.13348	.01934 .01911	•004 •004	.01922 .01910	93
113010	1.243	238.500	.7338	.08989	.01907	.005	.01911	99
113009	1.248	237.900	.7404	.07142	.01910	.008	.01919	66
					5		Addished Theory	Candunklulku
					Experimental Thermal		Adjusted Thermal	Oevlation
Pun Pt.	Pressure	Temperature	Density	Power	Conductivity	STAT	Temperature of 251.4K	
	MDB	K	mol/L	W/m	¥/m.K		W/m.K	percent
113037	•306	251.131	.1506	.13939	.01895	.003	.01898	1.13
113035	.306	250.247	.1512	11545	.01885	.004	.01898	1.09
113035	•305	249.215	.1522	.09384	.01874	.005	.01897	1.07
113734	.306	248.350	.1528	.07446	.01861	.007	.01893	. 85
113033	.306	247.589	.1533	.05732	.01864	• 910	•01904	1.41
113032	.715	250.665	•3677	.13936	.01 950	.333	.01958	• 95
113031	•715	249.612	. 3696	.11531	.01936	.004	.01955	•77
113030	.715	248.644	.3714	.09363	.01924	.006	.01953	• 65
113029	.715	248.653	.3714	.09374	.01939	.005	•01968	1.40
113028 113027	1.125 1.125	251.182	•6041 6075	•16566 13066	.02027 .02023	.003	.02030 .02035	.87 1.11
113025	1.126	250.244 249.313	•60 <b>7</b> 5	.13944 .11557	.02000	.004	.02022	•40
113025	1.126	248.278	.6145	.09380	.01993	.006	.02025	• 48
113024	1.683	250.461	.9750	.16557	.02126	.003	.02136	. 05
113023	1.693	249.551	.9816	.13940	.0212R	.003	.02147	• 47
113022	1.684	248.755	.9979	.11544	.02110	.004	•02138	08
113021	1.634	249.085	.9931	.09388	.02085	.005	.02120	-1.02
112112	5.522	253.265	14.0887	.77453	.08750	.009	.98730	2.66
112113	5.524	252.490	14.1895	•71560	.08798	200.	.06786	2 • 34
112111 112110	5.521 5.518	252.352 251.787	14.2059	.55993 .55483	.08914 .08800	.004	.08904 .08796	3.48 1.62
112109	7.729	253.982	14.5408	.8901R	.09306	.002	.09277	3.16
112108	7.727	253.074	14.7310	.76875	.09308	.002	.09290	2.34
112107	7.696	252.324	14.7975	.65501	.09386	.003	.09376	2.55
112106	7.722	251.930	14.3417	.55159	.09334	.002	.09328	1.57
112105	10.383	253.643	15.2037	.89031	.09710	•002	•09685	1.28
112104	10.380	252.592	15.2898	.75777	.09738	.002	.09725	•71
112162								
112103 112102	10.370 10.381	252.109 251.629	15.3668	.65512 .55185	.09 <b>77</b> 0 .39965	.002	.09762 .09963	•65 2•21

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112101	14.031	253.391	15.7625	.89086	.10243	.005	.10220	.11
112099	14.032	251.981	15.8594	.65499	•10398	.002	.10391	• 61
112798	14.032	251.429	15.8971	.55103	.10417	.001	.10417	. 40
112097	10.707	257.895	15.2528		.10917	.001	.10988	.36
113096	18.709	253.201	16.3043	.89105	.11001	.002	.16980	.69
112095	18.707	252.584	15.3407	.76961	•11085	.003	.11072	1.08
112094	18.709	251.812	16.3865	.65544	•11112	.002	.11107	. 83
112093	24.411	253.418	16.8018		•1165C	.001	.11525	.23
112092	24.413	252.743	16.8372	·88955	•11715	.001	•11699	• 41
112091	24.415	252.119	16.8599	.75708	.11580	.003	.11571	-1.10
112390	24.414	251.447	15.9047	.65361	•11717	.002	.11717	<b>-</b> •5₽
112089	29.693	253.981	17.1637		•12312	.007	.12290	1.16
112088	29.694	253.189	17.2015		·120 <b>7</b> 9	.013	.12057	-1.15
112086	29.689	251.988	17.2582	• 75772	.12201	.003	.12194	73
					Experimental		Adjusted Thermal	
					Thermal		at a Nominai	Oevietion
Qun Pt∙	Pressure	Temperature	Density	Power	Conductivity	STAT	Temperature of 259.7K	
	мРа	k	mol/L	₩/m	₩/m⋅K		₩/m.K	percent
112057	254	241 000	1400	1/5/7	.02009	.003	•01993	.87
113057	.356	261.090	.1690	.14547			_	.89
113056	• 356	260.052 258.993	.1697	.12060	.01997 .01988	.004	.01993 .01995	1.04
113055	.357	259.251	.1707 .1712	.07766	.01976	.007	.01993	.85
113054	•357							
113053	.846	261.432 260.437	•4185 •4205	•17264 •14537	•02093 •02073	.003	.02073 .02065	1.21
113052	.845	259.400	.4236	.12044	.02072	.004	.02075	1.29
113051 113050	. 645	259.400 259.556	.4243	.09785	.02056	.005	.02069	. 97
113049	1.321	260.913	• 4243 • 6855	.17270	.02056	.003	.02089	09
113049	1.325	259.937	.6924	•14541	.02143	.003	.02127	.22
	1.325	259.118	.6956	.12049	.02123	.003	.02137	18
113047 113045	1.325	258.235	.5999	.09792	.02123	.004	.02139	18
	1.825	261.402	9995	20256	.02255	.005	•02134	.01
113045	1.829	250.490	1.0082	.17270	.02242	.003	.02233	27
113044 113043	1.832	259.597	1.0162	.14542	.02224	.003	.02235	74
113043	1.834	258.552	1.0248	.12042	.02213	.004	.02226	82
113042	2.301	260.634	1.3464	.20224	.02383	.007	. C2372	•36
113040	2.301	259.819	1.3553	.17250	.02371	.003	.02370	.11
113039	2.301	259.076	1.3639	.14539	.02341	.004	.02348	95
113038	2.301	258.321	1.3725	.12061	.02332	.005	.02348	-1.11
113030	2.301	2700321	1.3123	.12001	•116336	•000	102349	-1.11
					Experimental		Adjusted Thermal	Conductivity
					Thermal		at a Novinal	Ogylation
Run Pt.	Pressure	Temperature	Density	Power	Thermat Conductivity	TATS	et a Norinei	Oevlation from Corelation
Run Pt.	Pressure	Temperature K	Density	Power	Conductivity	STAT	Temperature of 269.4K	from Corelation
Run Pt.	Pressure MPa	Temperature K	Density mol/L	Power W/m		STAT		
	MPa	К	mo I/L	₩Zm	Conductivity W/m.K		Temperature of 269.4K W/m.K	from Coreletion percent
113082	MPa •283	к 270.556	mol/L .1284	W/m •15127	Conductivity W/m.K .02089	.003	Temperature of 269.4K W/m.K .02073	from Corelation percent
113082 113081	MPa	К	mol/L .1284 .1288	₩/m •15127 •12533	Conductivity W/m.K .02089 .02094	.003	Temperature of 269.4K W/m.K .02073 .02090	from Coreletion percent 47 .31
113082	MPa •283 •283	270.556 269.685	mol/L .1284	W/m •15127	Conductivity W/m.K .02089	.003	Temperature of 269.4K W/m.K .02073	from Corelation percent
113082 113081 113080	MPa •283 •283 •283	X 270.556 269.686 268.830	mol/L .1284 .1288 .1293	.15127 .12533 .10195	Conductivity W/m.K .02089 .02094 .02094	.003 .003	Temperature of 269.4K W/m.K .02073 .02090 .02101	from Coreletion percent 473162
113082 113081 113080 113079	MPa • 283 • 283 • 283 • 283	K 270.556 269.686 268.830 268.065	mol/L .1284 .1288 .1293 .1297	.15127 .12533 .10195 .08097	Conductivity W/m.K .02089 .02094 .02094 .02065	.003 .003 .005	Temperature of 269.4K W/m.K .02073 .02090 .02101 .02102	from Coreletion percent 47316267
113082 113081 113080 113079 113078	MPa • 283 • 283 • 283 • 283 • 769	X 270.556 269.686 268.830 268.065 271.240	mol/L .1284 .1288 .1293 .1297 .3612	W/m .15127 .12533 .10195 .08097 .17973	Conductivity W/m.K .02089 .02094 .02094 .02065 .02199	.003 .003 .005 .007	Temperature of 269.4K W/m.K .02073 .02090 .02101 .02102 .02175	from Coreletion percent 47318287 1-15
113082 113081 113080 113079 113078 113077	MPa • 283 • 283 • 283 • 283 • 769 • 769	X 270.556 269.686 268.830 268.065 271.240 270.180	mol/L .1284 .1288 .1293 .1297 .3612 .3630	W/m .15127 .12533 .10195 .08097 .17573 .15138	Conductivity W/m.K  .02089 .02094 .02094 .02095 .02189 .02187	.003 .003 .005 .007 .007	Temperature of 269.4K W/m.K .02073 .02090 .02101 .02102 .02175 .02176	from Coreletion percent 47318287 1-15 1-21
113082 113081 113080 113079 113078 113077 113076	MPa • 283 • 283 • 283 • 283 • 769 • 769 • 769	X 270.566 269.686 268.830 268.065 271.240 270.180 269.278	mol/L .1284 .1288 .1293 .1297 .3612 .3630 .3645	W/m .15127 .12533 .10195 .08097 .17973 .15138 .12541	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02187 .02167	.003 .003 .005 .007 .502 .003	Temperature of 269.4K W/m.K .02073 .02090 .02101 .02102 .02175 .02176 .02168	from Coreletion percent 47316267 1-15 1-2181
113C82 113081 113080 113079 113078 113077 113076 113075	MPa .283 .283 .283 .283 .769 .769 .769 .769	X 270.556 269.686 268.830 268.055 271.240 270.180 269.278 268.342	mol/L .1284 .1288 .1293 .1297 .3612 .3630 .3645 .3560	W/m .15127 .12533 .10195 .08097 .17573 .15138 .12541 .10195	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02199 .02187 .02167	.003 .003 .005 .007 .002 .003 .004	Temperature of 269.4K W/m.K .02073 .02090 .02101 .02102 .02175 .02176 .02168 .02184	from Coreletion percent 47316267 1-15 1-2181 1-52
113C82 113081 113080 113079 113078 113076 113076 113074 113073 113072	MPa	X 270.566 269.686 268.830 268.065 271.240 270.180 269.278 268.342 270.684 269.703 268.665	mol/L .1284 .1288 .1293 .1297 .3612 .3630 .3645 .3660 .7429	W/m .15127 .12533 .10195 .08097 .17573 .15138 .12541 .10195 .17976	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02199 .02187 .02167 .02171 .02272	.003 .003 .005 .007 .502 .003 .004	Temperature of 269.4K W/m.K	from Coreletion percent
113C82 113081 113080 113079 113078 113077 113076 113075 113074 113073 113072 113071	MPa	270.566 269.686 268.830 268.065 271.240 270.180 269.278 268.342 270.684 269.703 268.865	mol/L .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .35 60 .74 29 .74 74 .75 72 C .75 71	W/m .15127 .12533 .10195 .08097 .17973 .15138 .12541 .10195 .17976 .15145 .12542 .10199	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02250 .02244	.003 .003 .005 .007 .002 .003 .004 .005	Temperature of 269.4K W/m.K	from Coreletion percent
113C82 113081 113080 113079 113078 113077 113076 113074 113073 113072 113071 113070	MPa	X 270.566 269.686 268.830 268.065 271.240 270.180 269.279 269.279 269.279 269.703 268.865 268.865 268.018	mol/L .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .35 60 .74 29 .74 74 .75 20 .75 71 1.0886	W/m .15127 .12533 .10195 .28097 .17973 .15138 .12541 .10195 .17976 .15145 .12542 .1031	Conductivity W/m.K  .02089 .02094 .02094 .02065 .02199 .02187 .02167 .02171 .02272 .02256 .02256 .02250 .02244	.003 .003 .005 .007 .003 .004 .006 .002 .003	Temperature of 269.4K W/m.K	from Coreletion percent 47316267 115 12181 152557661
113C82 113081 113080 113079 113078 113077 113075 113074 113073 113072 113070 113070 113069	MPa	X 270.566 269.686 268.630 268.655 271.240 270.180 269.279 268.279 268.279 268.289 270.684 269.703 268.655 268.018 270.821 270.007	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .35 60 .74 29 .74 74 .75 20 .75 71 1.0 88 6 1.0 98 4	W/m .15127 .12533 .10195 .08097 .17573 .15138 .12541 .10195 .17976 .15145 .12542 .10109	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02250 .02388	.003 .003 .005 .007 .002 .003 .006 .002 .003 .004 .005	Temperature of 269.4K W/m.K	from Coreletion percent
113C82 113081 113080 113079 113078 113076 113075 113074 113073 113072 113071 113070 113069 113068	MPa	X 270.566 269.686 268.830 268.065 271.240 270.180 269.279 268.342 270.684 269.703 268.665 268.018 270.821 270.007 269.229	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 45 .36 60 .74 29 .75 71 1.0 88 6 1.0 98 4 1.10 53	W/m  .15127 .12533 .10195 .08097 .175138 .12541 .10195 .17976 .12542 .10109 .21031 .17957 .15126	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02250 .02256 .02388 .02374	.003 .003 .005 .007 .002 .003 .004 .002 .003 .004	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02168 .02184 .02255 .02256 .02256 .02261 .02366 .02380 .02376	from Coreletion percent
113C82 113081 113080 113079 113078 113077 113076 113075 113073 113071 113070 113069 113068 113067	MPa  283 283 283 283 769 769 769 769 1484 1485 1487 1490 2058 2065 2067 2072	X 270.566 269.686 268.830 268.065 271.240 270.180 269.278 269.278 269.703 269.703 269.703 269.703 269.865 268.018 270.821 270.0821 270.0821 270.022	mol/L .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .35 60 .74 29 .74 74 .75 2C .75 71 1.0 88 6 1.0 98 4 1.10 5 3 1.11 40	W/m .15127 .12533 .10195 .28097 .17573 .15138 .12541 .10195 .17976 .15145 .10199 .21031 .17957 .15126	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02250 .02244 .02385 .02388 .02374	.003 .003 .005 .007 .002 .003 .004 .005 .004 .005	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02168 .02184 .02255 .02252 .02256 .02366 .02380 .02376 .02366	from Coreletion percent 473162656521
113C82 113081 113080 113079 113078 113077 113076 113075 113073 113072 113071 113070 113069 113068 113067	MPa  283 283 283 283 769 769 769 769 1.484 1.485 1.487 1.490 2.058 2.065 2.067 2.072	X 270.566 269.686 268.055 271.240 270.180 269.278 268.342 270.684 269.703 268.865 268.018 270.821 270.007 269.229 268.444 267.734	mol/L  .1284 .1288 .1293 .1297 .3612 .3630 .3445 .3560 .7429 .7474 .752C .7571 1.0886 1.0984 1.1053 1.1140	W/m  15127 12533 10195 18097 17773 15138 12541 10195 17976 15145 12542 10199 21031 17957 1512540 10201	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02199 .02187 .02167 .02171 .02272 .02256 .02250 .02244 .02385 .02388 .02374 .02384	.003 .003 .005 .007 .002 .003 .004 .005 .003	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02256 .02261 .02366 .02366 .02366 .02366	from Coreletion percent
113C82 113081 113080 113079 113077 113075 113075 113072 113073 113070 113069 113068 113067 113066	MPa	X 270.566 269.686 268.065 271.240 270.180 269.279 268.342 270.684 269.703 268.865 268.018 270.821 270.007 269.229 268.444 267.734 270.373	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .35 60 .74 29 .74 74 .75 20 .75 71 1.0 88 6 1.0 98 4 1.10 5 3 1.11 40 1.12 23 1.45 46	W/m  .15127 .12533 .10195 .08097 .17973 .15138 .12541 .10195 .1795 .12542 .10109 .21031 .17957 .15126 .12540 .10201 .21048	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02256 .02388 .02374 .02374 .02374	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .004 .005	Temperature of 269.4K W/m.K	from Coreletion percent
113C82 113081 113080 113079 113078 113076 113075 113074 113073 113072 113071 113070 113069 113068 113067 113066 113066	MPa	X 270.566 269.686 268.830 268.065 271.240 270.180 269.279 268.342 270.684 269.703 268.865 268.018 270.821 270.007 269.229 268.444 267.733 269.677	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .36 60 .74 29 .75 71 1.0 88 6 1.0 98 1.11 40 1.12 23 1.45 546 1.46 30	W/m  15127 12533 10195 18097 175138 12541 10195 17976 12542 10199 21031 17957 15126 12540 10201 21048	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02250 .02244 .02388 .02374 .02354 .02354 .02354	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02256 .02366 .02380 .02376 .02366 .02498 .02498	from Coreletion percent
113C82 113081 113080 113079 113078 113077 113076 113075 113071 113071 113071 113069 113068 113067 113066 113066 113066	MPa  283 283 283 283 769 769 769 769 1.484 1.485 1.487 1.490 2.058 2.065 2.067 2.076 2.585 2.586	270.566 269.686 268.830 268.065 271.240 270.180 269.273 268.342 270.684 269.703 268.665 268.018 270.821 270.021 270.021 270.021 270.0373 268.444 267.734 270.373 269.677	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .35 60 .74 29 .74 74 .75 20 .75 71 1.0 88 6 1.0 98 4 1.10 5 3 1.11 4 0 1.12 2 3 1.45 4 6 1.45 4 6 1.45 4 6 1.47 4 5	W/m  15127 12533 10195 18097 175138 12541 10195 17976 15145 10199 21031 17957 15126 12540 10201 21048 15126	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02250 .02244 .02388 .02374 .02354 .02384 .02311 .02523 .02490	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .004 .005 .004	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02168 .02184 .02255 .02252 .02256 .02261 .02366 .02376 .02376 .02376 .02366 .02498	from Coreletion percent 47318287 1-15 1-2181 1-5255764147803765 -1-2131 -16231 -1-34
113C82 113081 113080 113079 113078 113077 113076 113075 113071 113071 113070 113069 113066 113066 113066 113066 113066 113066	MPa  283 283 283 283 769 769 769 769 1.484 1.485 1.487 1.490 2.058 2.065 2.067 2.076 2.585 2.586 2.587 2.590	270.566 269.686 268.830 268.065 271.240 270.180 269.278 268.342 270.684 269.770 268.865 268.018 270.821 270.821 270.821 270.821 270.937 268.444 267.734 270.373 268.744 268.025	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .35 60 .74 29 .74 74 .75 72 C .75 71 1.088 6 1.098 4 1.10 53 1.11 40 1.12 23 1.45 76 1.46 30 1.77 5	W/m  15127 12533 10195 18097 17573 15138 15141 10195 17976 15145 12542 10109 21031 17957 15126 10201 21048 17986 15148	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02199 .02187 .02167 .02171 .02272 .02256 .02250 .02254 .02388 .02388 .02374 .02384 .02354 .02384 .02511 .02523 .02490 .02480	.003 .003 .005 .007 .002 .003 .004 .005 .003 .004 .005 .003 .004 .005	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02256 .02261 .02366 .02380 .02376 .02366 .02498 .02498 .025997	from Coreletion percent
113C82 113081 113080 113079 113077 113075 113075 113072 113071 113070 113069 113068 113067 113066 113066 113066 113066 113066	MPa	X 270.566 269.686 268.065 271.240 270.180 269.279 268.342 270.684 269.703 268.865 268.018 270.007 269.229 268.444 267.734 270.373 269.677 268.744 267.734 270.373	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .36 45 .75 71 1.08 86 1.09 84 1.10 53 1.11 40 1.12 23 1.45 46 1.46 30 1.47 45 1.48 51 1.96 52	W/m  .15127 .12533 .10195 .78097 .175138 .12541 .10195 .17957 .15126 .12542 .10199 .21031 .17957 .15126 .12540 .10201 .21048 .17986 .151543	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02256 .02388 .02374 .02385 .02388 .02374 .02511 .02523 .02490 .02480 .02778	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005	Temperature of 269.4K W/m.K	from Coreletion percent
113C82 113081 113080 113079 113076 113076 113075 113074 113073 113072 113071 113069 113068 113066 113066 113066 113066 113066 113066 113067	MPa	X 270.566 269.686 268.830 268.065 271.240 270.180 269.279 268.342 270.684 269.703 268.865 268.018 270.821 270.007 269.229 268.444 267.733 269.677 268.744 268.744 268.745 268.745	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .36 60 .74 29 .75 71 1.08 86 1.09 84 1.10 53 1.11 40 1.12 23 1.45 46 1.46 30 1.47 45 1.98 58	W/m  15127 12533 10195 18097 175138 12541 10195 17976 115145 12542 10109 121048 17986 115126 12543 12543 12543 12543 12543	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02276 .02276 .02276 .02274 .02388 .02388 .02374 .02384 .02384 .02384 .02384 .02374 .02354 .02388 .02374 .02378	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .004 .005 .003 .004 .005	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02256 .02366 .02380 .02380 .02376 .02380 .02376 .02498 .02498 .02498 .02498 .02498	from Coreletion percent
113082 113081 113080 113079 113078 113077 113076 113075 113071 113070 113069 113068 113067 113066 113065 113066 113067 113069	MPa  283 283 283 283 769 769 769 769 1.484 1.485 1.487 1.490 2.058 2.065 2.067 2.072 2.076 2.585 2.586 2.587 2.590 3.211 3.211	270.566 269.686 268.830 268.065 271.240 270.180 269.278 269.278 269.703 268.665 268.019 270.821 270.007 269.229 268.444 267.734 270.373 269.677 268.744 269.677 268.744 269.677 268.744 269.675 269.679	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .36 60 .74 29 .74 74 .75 20 .75 71 1.0 88 6 1.0 98 4 1.10 5 3 1.11 40 1.12 23 1.45 46 1.46 50 1.47 45 1.48 51 1.96 52 1.98 58 1.99 45	W/m  15127 12533 10195 18097 175138 12541 10195 17976 15145 10199 21031 17957 15126 12540 10201 21048 15126 24369 21059 17981	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02250 .02244 .02388 .02374 .02354 .02384 .02511 .02523 .02490 .02480 .02736	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02168 .02184 .02255 .02252 .02256 .02261 .02366 .02380 .02376 .02366 .02498 .02498 .02498 .02498 .02498 .02763	from Coreletion percent 47318287 1-15 1-2181 1-55764147803765 -1-2131 -1-0231 -1-34 -1-55736836
113C82 113081 113080 113079 113076 113076 113075 113074 113073 113072 113071 113069 113068 113066 113066 113066 113066 113066 113066 113067	MPa	X 270.566 269.686 268.830 268.065 271.240 270.180 269.279 268.342 270.684 269.703 268.865 268.018 270.821 270.007 269.229 268.444 267.733 269.677 268.744 268.744 268.745 268.745	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .36 60 .74 29 .75 71 1.08 86 1.09 84 1.10 53 1.11 40 1.12 23 1.45 46 1.46 30 1.47 45 1.98 58	W/m  15127 12533 10195 18097 175138 12541 10195 17976 115145 12542 10109 121048 17986 115126 12543 12543 12543 12543 12543	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02276 .02276 .02276 .02274 .02388 .02388 .02374 .02384 .02384 .02384 .02384 .02374 .02354 .02388 .02374 .02378	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .004 .005 .003 .004 .005	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02256 .02366 .02380 .02380 .02376 .02380 .02376 .02498 .02498 .02498 .02498 .02498	from Coreletion percent
113082 113081 113080 113079 113078 113077 113076 113075 113071 113070 113069 113068 113067 113066 113065 113066 113067 113069	MPa  283 283 283 283 769 769 769 769 1.484 1.485 1.487 1.490 2.058 2.065 2.067 2.072 2.076 2.585 2.586 2.587 2.590 3.211 3.211	270.566 269.686 268.830 268.065 271.240 270.180 269.278 269.278 269.703 268.665 268.019 270.821 270.007 269.229 268.444 267.734 270.373 269.677 268.744 269.677 268.744 269.677 268.744 269.675 269.679	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .36 60 .74 29 .74 74 .75 20 .75 71 1.0 88 6 1.0 98 4 1.10 5 3 1.11 40 1.12 23 1.45 46 1.46 50 1.47 45 1.48 51 1.96 52 1.98 58 1.99 45	W/m  15127 12533 10195 18097 175138 12541 10195 17976 15145 10199 21031 17957 15126 12540 10201 21048 15126 24369 21059 17981	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02256 .02388 .02374 .02385 .02388 .02374 .02511 .02523 .02490 .02480 .02736 .02736	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02366 .02366 .02366 .02376 .02366 .02498 .02519 .02498 .02519 .02498 .0257 .02763 .02763 .02764	from Coreletion percent
113082 113081 113080 113079 113078 113077 113076 113075 113071 113070 113069 113068 113067 113066 113065 113066 113067 113069	MPa  283 283 283 283 769 769 769 769 1.484 1.485 1.487 1.490 2.058 2.065 2.067 2.072 2.076 2.585 2.586 2.587 2.590 3.211 3.211	270.566 269.686 268.830 268.065 271.240 270.180 269.278 269.278 269.703 268.665 268.019 270.821 270.007 269.229 268.444 267.734 270.373 269.677 268.744 269.773 268.744 269.750 269.699	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .36 60 .74 29 .74 74 .75 20 .75 71 1.0 88 6 1.0 98 4 1.10 5 3 1.11 40 1.12 23 1.45 46 1.46 50 1.47 45 1.48 51 1.96 52 1.98 58 1.99 45	W/m  15127 12533 10195 18097 175138 12541 10195 17976 15145 10199 21031 17957 15126 12540 10201 21048 15126 24369 21059 17981	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02256 .02254 .02388 .02374 .02354 .02384 .02354 .02384 .02374 .02523 .02490 .02490 .02490 .02778 .02736 .02736	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02256 .02366 .02380 .02380 .02376 .02380 .02376 .02498 .02498 .02498 .02498 .02498 .02767 .02763 .02763	from Coreletion percent
113C82 113081 113080 113079 113076 113075 113074 113077 113073 113071 113070 113068 113067 113066 113065 113066 113067 113063 113069 113069	MPa  283 283 283 283 769 769 769 769 1.484 1.485 1.487 1.490 2.058 2.065 2.067 2.072 2.076 2.585 2.586 2.587 2.590 3.211 3.211 3.211	X 270.566 269.686 268.830 268.065 271.240 270.180 269.278 268.342 270.684 269.703 268.665 268.018 270.921 270.007 269.229 268.444 267.734 270.373 269.677 268.744 268.025 270.502 269.509 269.509 269.089 268.348	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .35 60 .74 29 .74 74 .75 20 .75 71 1.0886 1.0984 1.10 53 1.11 40 1.12 23 1.45 46 1.46 30 1.47 45 1.48 51 1.96 52 1.98 58 1.99 45 2.01 00	W/m  15127 12533 10195 18097 175138 12541 10195 17976 15145 12542 10199 121031 17957 15126 12540 10201 121048 15126 12543 124369 17981	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02250 .02244 .02388 .02374 .02354 .02354 .02354 .02523 .02490 .02480 .02736 .02736 .02736 .02736	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02168 .02184 .02255 .02252 .02256 .02256 .02261 .02366 .02380 .02376 .02366 .02498 .02498 .02498 .02498 .02498 .02498 .02498 .02767 .02764	from Coreletion percent
113082 113081 113080 113079 113078 113077 113076 113075 113071 113070 113069 113068 113067 113066 113065 113066 113067 113069	MPa  283 283 283 283 769 769 769 769 1484 1485 1487 1490 2058 2067 2076 2585 2587 2587 2590 3211 3211 3211	X 270.566 269.686 268.830 268.065 271.240 270.180 269.278 268.342 270.684 269.703 268.665 268.018 270.821 270.007 269.229 268.444 267.734 270.373 269.677 268.744 268.025 270.502 269.509 269.889 268.348	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .35 60 .74 29 .74 74 .75 2C .75 71 1.0 88 6 1.0 98 4 1.10 5 3 1.11 40 1.12 23 1.45 46 1.46 30 1.47 45 1.48 51 1.96 52 1.98 58 1.99 45 2.01 00	W/m  15127 12533 10195 18097 17573 15138 15141 10195 17976 15145 10199 121031 17957 15126 12540 10201 121048 17986 12543 124369 121059	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02250 .02244 .02385 .02388 .02374 .02384 .02511 .02523 .02490 .02480 .02778 .02736  Experimental Thermal Conductivity	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02256 .02261 .02366 .02380 .02376 .02366 .02498 .02519 .02498 .02519 .02498 .02519 .02498 .02767 .02763 .02767 .02763	from Coreletion percent
113C82 113081 113080 113079 113076 113075 113074 113077 113073 113071 113070 113068 113067 113066 113065 113066 113067 113063 113069 113069	MPa  283 283 283 283 769 769 769 769 1.484 1.485 1.487 1.490 2.058 2.065 2.067 2.072 2.076 2.585 2.586 2.587 2.590 3.211 3.211 3.211	X 270.566 269.686 268.830 268.065 271.240 270.180 269.278 268.342 270.684 269.703 268.665 268.018 270.921 270.007 269.229 268.444 267.734 270.373 269.677 268.744 268.025 270.502 269.509 269.509 269.089 268.348	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .35 60 .74 29 .74 74 .75 20 .75 71 1.0886 1.0984 1.10 53 1.11 40 1.12 23 1.45 46 1.46 30 1.47 45 1.48 51 1.96 52 1.98 58 1.99 45 2.01 00	W/m  15127 12533 10195 18097 175138 12541 10195 17976 15145 12542 10199 121031 17957 15126 12540 10201 121048 15126 12543 124369 17981	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02250 .02244 .02388 .02374 .02354 .02354 .02354 .02523 .02490 .02480 .02736 .02736 .02736 .02736	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02168 .02184 .02255 .02252 .02256 .02256 .02261 .02366 .02380 .02376 .02366 .02498 .02498 .02498 .02498 .02498 .02498 .02498 .02767 .02764	from Coreletion percent
113C82 113081 113080 113079 113076 113076 113075 113074 113073 113072 113071 113069 113068 113066 113066 113066 113066 113065 113061	MPa	X 270.566 269.686 268.830 268.065 271.240 270.180 269.279 268.342 270.684 269.703 268.865 268.018 270.821 270.007 269.229 268.444 267.733 269.677 268.744 268.725 270.502 269.509 269.089 268.348  Temperature K	mol/L  12 P4 12 88 12 93 12 97 13 612 13 630 13 645 13 660 14 75 20 15 77 11 10 88 6 10 98 4 11 10 53 11 11 40 11 12 23 11 45 46 11 46 30 11 47 45 11 98 58 11 99 45 21 98 58 11 99 45 22 01 00  Density	W/m  15127 12533 10195 18097 175138 12541 10195 17976 12542 10199 121031 17957 15126 12540 10201 121048 17986 12543 124389 121059 17981 15150	Conductivity W/m.K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02256 .02388 .02374 .02354 .02384 .02354 .02384 .02374 .02523 .02490 .02490 .02490 .02490 .02778 .02736 .02736 Experimental Thermal Conductivity W/m.K	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .004 .005 .003 .004 .005 .003 .004 .005	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02192 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02256 .02261 .02366 .02380 .02376 .02380 .02376 .02380 .02376 .02498 .02519 .02498 .02519 .02498 .02767 .02763 .02763 .027649 Adjusted Thermal at a Nominal Temperature of 277.8K	from Coreletion percent
113C82 1130R1 1130R0 113079 113078 113077 113076 113075 113071 113070 113068 113067 113066 113066 113066 113067 113068 113067 113068	MPa	X 270.566 269.686 268.830 268.065 271.240 270.180 269.278 268.342 270.684 269.703 268.665 268.018 270.821 270.007 269.229 268.444 267.734 270.373 269.677 268.744 268.025 270.7502 269.509 269.509 269.8848	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .36 60 .74 29 .74 74 .75 20 .75 71 1.0 88 6 1.0 98 4 1.10 53 1.11 40 1.12 23 1.45 46 1.46 30 1.47 45 1.46 51 1.96 52 1.98 58 1.99 45 2.01 00  Density mol/L .13 69	W/m  15127 12533 10195 -08097 175138 12541 -10195 -17976 -15145 -10199 -21031 -17957 -15126 -12540 -10201 -21048 -15126 -12543 -24369 -21059 -17981 -15150	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02250 .02256 .02388 .02374 .02354 .02354 .02388 .02374 .02523 .02490 .02490 .02490 .02736 .02736 .02736 .02736 Experimental Thermal Conductivity W/m·K .02222	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02168 .02184 .02255 .02256 .02256 .02256 .02366 .02380 .02376 .02380 .02376 .02380 .02376 .02498 .02498 .02498 .02497 .02763 .02767 .02763 .02767 .02769  Adjusted Thermal st a Nominal Temperature of 277.8K w/m.K	from Coreletion percent
113C82 113081 113080 113079 113076 113077 113075 113072 113072 113072 113070 113069 113068 113067 113066 113066 113066 113066 113066 113066 113069 113060 113069	MPa	X 270.566 269.686 268.830 268.055 271.240 270.180 269.279 268.058 270.584 269.703 268.865 268.018 270.821 270.007 269.229 268.444 267.734 270.373 269.677 268.744 268.025 270.502 269.509 269.509 269.509 268.348  Temperature K 279.782 278.548	mol/L  .12 P4 .12 88 .12 93 .12 97 .3612 .3630 .3645 .3560 .7429 .7474 .752 C .7571 1.0886 1.0984 1.1053 1.1140 1.1223 1.4546 1.4630 1.4745 1.4851 1.9652 1.9858 1.9945 2.0100	W/m  15127 12533 10195 -08097 -17973 -15138 -12541 -10195 -17976 -15145 -10199 -21031 -17957 -15126 -12540 -10201 -21048 -17986 -15126 -12543 -24369 -21059 -115150  Power W/m -15678 -13002	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02388 .02388 .02374 .02354 .02385 .02388 .02374 .02511 .02523 .02490 .02480 .02778 .02736  Experimental Thermal Conductivity W/m·K .02222	.003 .003 .005 .007 .002 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02256 .02261 .02366 .02380 .02376 .02366 .02380 .02376 .02366 .02498 .02519 .02498 .02519 .02498 .02519 .02498 .02767 .02763 .02767 .02763 .02767 .02769  Adjusted Thermal at a Nominal Temperature of 277.8K W/m.K	from Coreletion percent
113C82 113081 113080 113079 113076 113077 113076 113077 113071 113077 113069 113068 113066 113066 113066 113067 113069 113061	MPa	X 270.566 269.686 268.830 268.065 271.240 270.180 269.279 268.342 270.684 269.703 268.865 268.018 270.821 270.007 269.229 268.444 267.734 270.373 269.677 268.744 268.744 268.744 268.748 270.502 269.509 269.68348	mol/L  .12 P4 .12 88 .12 93 .12 97 .3612 .3630 .3645 .3660 .7429 .7474 .752 C .7571 .10886 .10984 .1053 .11140 .11223 .14546 .14630 .14745 .14851 .19652 .19858 .19945 .2.0100  Density mol/L .1369 .1375 .1381	W/m  15127 12533 10195 18097 175138 12541 10195 17957 15126 12540 121048 17986 151263 24389 21059 17981 15150	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02250 .02388 .02374 .02385 .02388 .02374 .02511 .02523 .02490 .02480 .02778	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02168 .02184 .02255 .02252 .02256 .02256 .02366 .02366 .02366 .02366 .02366 .02408 .02376 .02366 .02498 .02519 .02498 .02749 .02763 .02763 .02763 .02763 .02764 .02763 .02749 Adjusted Thermal st a Nominal Temperature of 277.8K	from Coreletion percent
113C82 1130R1 1130R0 113079 113076 113076 113077 113077 113071 113070 113068 113068 113066 113066 113066 113066 113066 113066 113067 113070 11	MPa  283 283 283 283 283 769 769 769 769 1484 1485 1487 1490 2058 2065 2067 2076 2:585 2:587 2:586 2:587 2:591 3:211 3:211 3:211 3:211 3:211 3:211 3:211 3:211 3:211 3:211	X 270.566 269.686 268.830 268.065 271.240 270.180 269.279 268.342 270.684 269.703 268.865 268.018 270.821 270.007 269.229 268.444 267.733 269.677 268.744 268.725 270.502 269.509 269.089 268.348  Temperature X 279.782 278.548 277.648 277.648	mol/L  12 P4 12 88 12 93 12 97 13 612 13 630 13 645 13 660 14 75 20 15 77 11 10 88 6 10 98 4 11 10 73 11 11 40 11 12 23 11 14 54 11 46 30 11 47 45 11 98 58 11 99 45 11 99 45 11 99 45 11 36 9 13 75 13 86	W/m  15127 12533 10195 18097 175138 12541 10195 17976 12542 10109 121031 17957 15126 12540 10201 121048 17986 125126 12543 17987 15126 12543 17987 17987 17981 15150	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02388 .02388 .02374 .02354 .02388 .02374 .02354 .02388 .02374 .02354 .02376 .02523 .02490 .02480 .02778 .02736 .02778 .02736	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .004 .005 .005 .005 .005 .006 .006 .006 .006	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02192 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02256 .02256 .02366 .02366 .02366 .02366 .02498 .02519 .02498 .02519 .02498 .02767 .02763 .02763 .027649 Adjusted Thermal at a Nominal Temperature of 277.8K W/m.K .02201 .02215 .02199 .02292	from Coreletion percent
113C82 1130R1 1130R0 113079 113078 113077 113076 113077 113073 113072 113071 113069 113068 113067 113066 113066 113067 113068 113067 113068 113067 113068 113069 113068 113061	MPa  283 283 283 283 769 769 769 769 1.484 1.485 1.487 1.490 2.058 2.065 2.067 2.072 2.076 2.585 2.586 2.587 2.590 3.211 3.211 3.211 3.211 3.211 3.211 3.211 3.211 3.211 3.211 3.211 3.211 3.211 3.211 3.211	X 270.566 269.686 268.830 268.065 271.240 270.180 269.278 268.342 270.684 269.703 268.665 268.018 270.921 270.007 269.229 268.444 267.734 270.373 269.677 268.744 268.025 270.7007 269.229 268.444 267.734 270.373 269.677 268.744 268.025 270.383 269.677 268.744 268.025 270.383 269.677 268.744 268.025 277.688 277.648 277.648 277.648	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .36 60 .74 29 .74 74 .75 20 .75 71 1.088 6 1.098 4 1.10 53 1.11 40 1.12 23 1.45 46 1.46 30 1.47 45 1.46 51 1.96 52 1.98 58 1.99 45 2.01 00  Density mol/L .13 69 .13 75 .13 81 .13 86 .32 02	W/m  15127 12533 10195 -08097 175138 12541 -10195 -17976 -15145 -10199 -21031 -17957 -15126 -12540 -1020 -121048 -15126 -12543 -24369 -17981 -15150  Power W/m -15678 -13062 -10561 -08386 -15665	Conductivity W/m·K  .02089 .02094 .02094 .02095 .02199 .02187 .02167 .02171 .02272 .02256 .02250 .02244 .02385 .02388 .02374 .02354 .02354 .02354 .02511 .02523 .02490 .02480 .02778 .02778 .02736  Experimental Thermal Conductivity W/m·K .02222 .02188 .02188 .02275	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02261 .02366 .02366 .02376 .02366 .02498 .02519 .02498 .02519 .02498 .02767 .02763 .02767 .02763 .02767 .02769  Adjusted Thermal stanominal Temperature of 277.8K W/m.K  .02201 .02215 .02199 .02202 .02259	from Coreletion percent
113C82 1130R1 1130R0 113079 113076 113076 113077 113077 113071 113070 113068 113068 113066 113066 113066 113066 113066 113066 113067 113070 11	MPa  283 283 283 283 283 769 769 769 769 1484 1485 1487 1490 2058 2065 2067 2076 2:585 2:587 2:586 2:587 2:591 3:211 3:211 3:211 3:211 3:211 3:211 3:211 3:211 3:211 3:211	X 270.566 269.686 268.830 268.065 271.240 270.180 269.279 268.342 270.684 269.703 268.865 268.018 270.821 270.007 269.229 268.444 267.733 269.677 268.744 268.725 270.502 269.509 269.089 268.348  Temperature X 279.782 278.548 277.648 277.648	mol/L  .12 P4 .12 88 .12 93 .12 97 .3612 .3630 .3645 .3660 .7429 .7474 .752C .7571 1.0886 1.0984 1.1053 1.1140 1.1223 1.4546 1.4630 1.4745 1.4851 1.9652 1.9858 1.9945 2.0100  Density mol/L .1369 .1375 .1381 .1386 .3202 .3216	W/m  15127 12533 10195 128097 17931 15138 12541 10195 17957 15145 12542 10199 17957 15126 12540 10210	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02388 .02384 .02354 .02354 .02511 .02523 .02490 .02480 .02778 .02778 .02736  Experimental Thermal Conductivity W/m·K .02222 .02196 .02196 .02196 .02188 .02275 .02262	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02168 .02184 .02255 .02252 .02256 .02256 .02366 .02366 .02366 .02366 .02366 .02366 .02498 .02519 .02498 .02519 .02498 .02749 .02767 .02763 .02767 .02763 .02767 .02769  Adjusted Thermal at a Nominal Temperature of 277.8K	from Coreletion percent
113C82 113081 113080 113079 113076 113077 113076 113077 113071 113070 113069 113068 113067 113066 113066 113066 113065 113066 113066 113066 113061	MPa	X 270.566 269.686 268.830 268.055 271.240 270.180 269.279 268.068 270.884 269.703 268.865 268.018 270.821 270.007 269.229 268.444 267.734 270.373 269.677 268.744 268.025 270.502 269.509 269.509 269.509 268.348  Temperature X 279.782 278.548 277.648 279.701 278.223	mol/L  .12 P4 .12 88 .12 93 .12 97 .36 12 .36 30 .36 45 .36 60 .74 29 .74 74 .75 20 .75 71 1.088 6 1.098 4 1.10 53 1.11 40 1.12 23 1.45 46 1.46 30 1.47 45 1.46 51 1.96 52 1.98 58 1.99 45 2.01 00  Density mol/L .13 69 .13 75 .13 81 .13 86 .32 02	W/m  15127 12533 10195 -08097 175138 12541 -10195 -17976 -15145 -10199 -21031 -17957 -15126 -12540 -1020 -121048 -15126 -12543 -24369 -17981 -15150  Power W/m -15678 -13062 -10561 -08386 -15665	Conductivity W/m·K  .02089 .02094 .02094 .02095 .02199 .02187 .02167 .02171 .02272 .02256 .02250 .02244 .02385 .02388 .02374 .02354 .02354 .02354 .02511 .02523 .02490 .02480 .02778 .02778 .02736  Experimental Thermal Conductivity W/m·K .02222 .02188 .02188 .02275	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .006 .006 .006 .006 .006 .006 .006	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02163 .02184 .02255 .02252 .02256 .02256 .02366 .02366 .02366 .02366 .02498 .02376 .02498 .02519 .02498 .02734 .02763 .02763 .02763 .02749 Adjusted Thermal st a Nominal Temperature of 277.8K W/m.K .02201 .02215 .02199 .02257 .02261	from Coreletion percent
113C82 113081 113080 113079 113076 113077 113076 113077 113073 113077 113069 113068 113066 113066 113066 113066 113067 113069 113068 113061	MPa  283 283 283 283 283 769 769 769 769 1484 1485 1487 1490 2058 2065 2067 2076 2585 2586 2587 2590 3211 3211 3211 3211 3211 3211 3211 321	X 270.566 269.686 268.830 268.065 271.240 270.180 269.279 268.342 270.684 269.703 268.865 268.018 270.821 270.007 269.229 268.444 267.733 269.677 268.744 270.373 269.677 268.744 270.373 269.677 268.744 270.373 269.677 268.744 270.373 269.677 268.744 270.373 269.677 268.744 270.373 269.677 268.744 270.373 269.677 268.744 270.373 269.677 268.744 270.373 269.677 268.744 270.373 270.502 269.509 269.509 269.509 269.688 277.504 279.782 278.782 278.782 278.782 278.782 278.782	mol/L  12 P4 12 88 12 93 12 97 12 97 13 612 13 63 0 13 64 5 13 64 5 13 64 6 10 98 4 11 10 5 3 11 11 40 11 12 23 11 14 63 11 47 45 5 11 48 51 11 96 52 11 98 58 11 99 45 21 98 58 11 99 45 22 13 86 13 86 13 20 2 13 21 6 13 22 9	W/m  15127 12533 10195 18097 175138 12541 10195 17967 15145 12542 10109 121031 17957 15126 12540 121048 17986 15126 124389 17981 15150	Conductivity W/m·K  .02089 .02094 .02094 .02085 .02187 .02167 .02171 .02272 .02256 .02256 .02388 .02374 .02385 .02388 .02374 .02511 .02523 .02490 .02480 .02778	.003 .003 .005 .007 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005 .003 .004 .005	Temperature of 269.4K W/m.K  .02073 .02090 .02101 .02102 .02175 .02176 .02168 .02184 .02255 .02252 .02256 .02256 .02366 .02366 .02366 .02366 .02366 .02366 .02498 .02519 .02498 .02519 .02498 .02749 .02767 .02763 .02767 .02763 .02767 .02769  Adjusted Thermal at a Nominal Temperature of 277.8K	from Coreletion percent

110111	1 070	270 522		35450	00050		000/0	
113111	1.370	278.532	• 5529	.15652	•02350	.003	•C2340	46
113110	1.370	277.770	.6553	.12977	.02343	.004	•02344	<b></b> 36
113109	1.370	276.276	.5582	.10551	.02327	.005	.02340	56
113108	1.888		9358				.02417	
		279.151		.18613	.02432	.003		-1.12
113107	1.095	278.324	.9439	.15674	.02430	.003	•02423	99
113106	1.898	277.540	. 34 95	.12993	.02378	.005	.02382	-2.82
113105	1.399	276.888	. 9540	.10563	.02398	.005	.02411	-1.64
113104	2.508	279.559	1.3115	.21757	•02534	•003	•C2522	-2.30
113103	2.512	270.777	1.3211	·18595	.02545	.003	.02532	-2.03
	2.521	277.798	1.3357					
113102				.15669	.02535	.004	.02536	-2.11
113101	2.532	277.299	1.3473	.12994	.02510	.005	.02518	-3.03
113100	3.120	279.153	1.7455	.21741	.02679	.003	.02667	-3.35
113099	3.121	278.445	1.7561	•18565	•02685	.003	•02677	-3.15
113008	3.1.22	277.670	1.7582	.15545	.02683	.004	.02685	-3.01
113097	3.124	277.019	1.7793	.12962	.02679	.004	.02590	-3.00
113094	2,587	278.662	2.1361	.21718	•02868	.007	•02957	-2.76
113093	3.587	277.840	2.1543	.19556	.02877	.003	.02877	-2.34
113096	3.586	277.401	2.1623	.15644	.02866	.004	.02872	-2.66
113091	4.1 5	279.023	2.5872	.29845	.03179	.003	.03168	-1.80
113092	4.155	277.224	2.7536	.18573	.03180	.005	•03188	-2.33
113097	4.529	279.283	3.1293	.32727	.03481	.004	.03482	21
113086	4.529	278.504	3.1651	.28815	.03431	.007	•03421	-2.66
113085	4.529	277.994	3.1993	.25129	.03460	.005	.03458	-2.18
113084	4.529	277.392	3.2347	.21730	.03468	.005	.03474	-2.36
113083	4.529	275.767	3.2715	.18577	. 03499	.005	•03513	-1.90
112159	6.958	277.330	10.3687	.50946	.07943	.008	.07950	5.91
112153	6.958	275.935	10.4885	.46046	.08115	.305	.08127	7.86
112157	6.957	275.719	10.5511	•41331	.08016	.004	.08631	5.70
112155	7.303	278.558	10.5695	.57199	.07520	.010	•07511	• 22
112156	6.957	276.409	10.5422	.36878	.07902	.004	.07921	5.32
112154	7.300	277.746	10.7794	.61494	.07572	.005	.07573	.84
112153	7.300	277.659	10.3012	•54085	.07520	.005	.07522	.14
112152	7.299	277.111	10.9390	.46019	.07520	.003	.07530	•07
112150	7.937	278.536	11.3132	.61479	.07469	.004	•07459	-1.45
112151	7.937	278.537	11.3137	.67246	.07345	.005	.07336	-3.16
112149	7.935	277.855	11.4479	.55071	.07478	.002	.07478	-1.47
112148	7.925	277.017	11.6104	.45966	.07474	.005	.07487	-1.73
112147	8.778	278.605	11.9485	.67229	.07587	.001	.07577	-1.52
112146	8.779	278.337	11.9913	.61494	.07578	.003	.07571	-1.74
112145	8.778	277.885	12.0611	•56098	.07597	.002	.07596	-1.65
112144	8.775	277.513	12.1175	.50911	.07746	.224	•07750	•16
112142	9.860	278.593	12.5303	.67187	.07813	.003	.07803	-1.00
112141	9.862	278.354	12.5618	.61575	.07794	•008	.07787	-1.36
112140	9.862	277.854	12.5257	.54014	.07883	.010	.07883	46
112143	9.863	277.623	12.6548	.50969	.07938	.002	• 07941	•12
112139								
	11.436	279.217	13.0685	.79375	.07993	.002	.07987	-1.81
			13.0685	.79375	.07993	.008	•07987	-1.81
112139	11.434	278.567	13.0685 13.1257	.79375 .73092	.07993 .08032	.008 .004	.07987 .08021	-1.01 -1.77
112139 112137	11.434 11.435	278.567 278.439	13.0685 13.1257 13.1498	.79375 .73092 .67213	.07993 .08032 .08134	.008 .004 .002	.07987 .08021 .08126	-1.81 -1.77 62
112138 112137 112136	11.434 11.435 11.434	278.667 278.439 277.960	13.0685 13.1257 13.1498 13.1996	.79375 .73092 .67213	.07993 .08032 .08134 .08141	.008 .004 .002 .005	.07987 .08021 .08126 .08139	-1.81 -1.77 62 80
112139 112137	11.434 11.435	278.567 278.439	13.0685 13.1257 13.1498	.79375 .73092 .67213	.07993 .08032 .08134	.008 .004 .002	.07987 .08021 .08126	-1.81 -1.77 62
112138 112137 112136 112134	11.434 11.435 11.434 13.389	278.667 278.439 277.960 273.980	13.0685 13.1257 13.1498 13.1996 13.6509	.79375 .73092 .67213 .61477 .79282	.07993 .08032 .08134 .08141 .08503	.008 .004 .002 .005	.07987 .08021 .08126 .08139 .08489	-1.81 -1.77 62 80 03
112139 112137 112136 112134 112133	11.434 11.435 11.434 13.389 13.390	278.567 278.439 277.960 273.980 278.562	13.0685 13.1257 13.1498 13.1996 13.6509 13.6883	.79375 .73092 .67213 .61477 .79282 .73121	.07993 .08032 .08134 .08141 .08503 .08521	.008 .004 .002 .005 .001	.07987 .08021 .08126 .08139 .08489 .08511	-1.81 -1.77 62 80 03
112139 112137 112136 112134 112133 112135	11.434 11.435 11.434 13.389 13.390 13.389	278.667 278.439 277.960 273.980 278.562 278.260	13.0685 13.1257 13.1498 13.1996 13.6509 13.6883 13.7146	.79375 .73092 .67213 .61477 .79282 .73121	.07993 .08032 .08134 .08141 .08503 .08521 .08344	.008 .004 .002 .005 .001 .002	.07987 .08021 .08126 .08139 .08489 .08511	-1.01 -1.77 62 80 03 09 -2.39
112139 112137 112136 112134 112133	11.434 11.435 11.434 13.389 13.390	278.567 278.439 277.960 273.980 278.562	13.0685 13.1257 13.1498 13.1996 13.6509 13.6883	.79375 .73092 .67213 .61477 .79282 .73121	.07993 .08032 .08134 .08141 .08503 .08521	.008 .004 .002 .005 .001	.07987 .08021 .08126 .08139 .08489 .08511	-1.81 -1.77 62 80 03
112139 112137 112136 112134 112133 112135 112132	11.434 11.435 11.434 13.389 13.389 13.392	278.667 278.439 277.960 273.980 278.562 278.260 277.683	13.0685 13.1257 13.1498 13.1996 13.6509 13.6883 13.7146 13.7662	.79375 .73092 .67213 .61477 .79282 .73121 .67216	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542	.008 .004 .002 .005 .001 .002 .005	.07987 .08021 .08126 .08139 .08489 .08511 .08338	-1.81 -1.77 62 80 03 09 -2.39
112138 112137 112136 112134 112133 112135 112132 112130	11.434 11.435 11.434 13.389 13.390 13.392 15.828	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404	13.0685 13.1257 13.1498 13.1996 13.6506 13.6883 13.7146 13.7662 14.1499	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542	.008 .004 .002 .005 .001 .002 .005 .002	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544	-1.81 -1.77 62 80 03 09 -2.39 36 56
112138 112137 112136 112134 112133 112135 112132 112130 112131	11.434 11.435 11.434 13.389 13.390 13.389 13.389 15.828 15.827	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404 278.942	13.0685 13.1257 13.1498 13.1996 13.6509 13.6883 13.7146 13.7662 14.1499 14.1851	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .51461 .85720 .79275	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838	.008 .004 .002 .005 .001 .002 .005 .002 .002	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08926	-1.81 -1.77 62 80 03 09 -2.39 36 56
112138 112137 112136 112134 112133 112135 112132 112130	11.434 11.435 11.434 13.389 13.389 13.392 15.828 15.828	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404	13.0685 13.1257 13.1498 13.1996 13.6506 13.6883 13.7146 13.7662 14.1499	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542	.008 .004 .002 .005 .001 .002 .005 .002	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544	-1.81 -1.77 62 80 03 09 -2.39 36 56
112138 112137 112136 112134 112133 112135 112132 112131 112131	11.434 11.435 11.434 13.389 13.389 13.392 15.828 15.828	278.667 278.439 277.960 278.980 278.562 278.260 277.683 279.404 278.942 278.536	13.0685 13.1257 13.1498 13.1996 13.6509 13.6883 13.7146 13.7662 14.1499 14.1851 14.2159	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .61461 .61720 .79275 .73087	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08842 .088987	008 004 002 005 001 002 003 002	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826	-1.81 -1.77 62 80 03 09 -2.39 36 56
112139 112137 112136 112133 112133 112135 112132 112131 112121 112129 112128	11.434 11.435 11.434 13.389 13.389 13.392 15.828 15.827 15.831	278.667 278.439 277.969 278.980 278.562 278.260 277.683 279.404 278.942 278.536	13.0685 13.1257 13.1498 13.1996 13.6509 17.6883 13.7146 13.7662 14.1499 14.1851 14.2159	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913	008 004 002 005 001 002 003 002 003	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75
112139 112137 112136 112134 112133 112135 112130 112131 112129 112128 112127	11.434 11.435 11.434 13.389 13.390 13.399 13.392 15.828 15.827 15.826 15.831 19.302	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404 278.942 278.535 277.737	13.0695 13.1257 13.1498 13.1996 13.6509 13.6509 13.662 14.1499 14.1851 14.2159 14.2776 14.7339	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270	.07993 .08032 .08134 .08141 .08503 .08521 .08342 .08542 .086987 .08913 .09042	.008 .004 .002 .005 .001 .002 .003 .003 .003 .003	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31
112138 112137 112136 112133 112133 112135 112132 112131 1121228 112128 112127 112126	11.434 11.435 11.434 13.389 13.390 13.392 15.828 15.827 15.826 15.831 19.302	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404 278.536 277.737 279.465 279.105	13.0695 13.1257 13.1498 13.1996 13.6509 13.6883 13.7146 13.7662 14.1499 14.1851 14.2159 14.2776 14.7575	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .61461 .79275 .73087 .73087 .61526 .92270 .85694	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042	.008 .004 .002 .005 .001 .002 .002 .002 .003 .003 .003	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08626 .08972 .08903 .09044	-1.81 -1.77 62 80 03 09 -2.39 36 56 75 31 65
112139 112137 112136 112134 112133 112135 112130 112131 112129 112128 112127	11.434 11.435 11.434 13.389 13.390 13.399 13.392 15.828 15.827 15.826 15.831 19.302	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404 278.942 278.535 277.737	13.0695 13.1257 13.1498 13.1996 13.6509 13.6509 13.662 14.1499 14.1851 14.2159 14.2776 14.7339	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270	.07993 .08032 .08134 .08141 .08503 .08521 .08342 .08542 .086987 .08913 .09042	.008 .004 .002 .005 .001 .002 .003 .003 .003 .003	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81
112138 112137 112136 112133 112133 112135 112130 112131 112129 112128 112127 112126 112125	11.434 11.435 11.434 13.389 13.390 13.392 15.828 15.827 15.826 15.831 19.302 19.297	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404 278.942 278.536 277.737 279.465 279.105	13.0695 13.1257 13.1498 13.1996 13.6509 13.6883 13.7146 13.7662 14.1499 14.1851 14.2159 14.2776 14.7339 14.7339 14.7575 14.8143	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .87275 .73087 .61526 .92270 .92270 .9387	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493	.008 .004 .002 .005 .001 .002 .002 .003 .003 .003 .004 .004	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08926 .08972 .08903 .09044	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81
112138 112137 112136 112133 112135 112135 112130 112131 112129 112128 112127 112128 112127	11.434 11.435 11.434 13.389 13.390 13.399 13.392 15.828 15.827 15.826 15.831 19.302 19.297 19.294	278.667 278.439 277.960 278.562 278.260 277.683 279.404 278.536 277.737 279.465 279.465 279.465 279.465 279.465	13.0695 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1851 14.2159 14.2776 14.7575 14.7575 14.8423	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .856.94	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .095493	.008 .004 .002 .005 .001 .002 .003 .003 .003 .003 .004 .004 .003	.07987 .C 8021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .C9044 .09477	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81
112138 112137 112136 112133 112133 112132 112130 112131 112129 112128 112127 112126 112127 112126 112125	11.434 11.435 11.434 13.389 13.390 13.392 15.828 15.827 15.831 19.302 19.302 19.297 19.297	278.667 278.439 277.960 278.562 278.260 277.683 279.404 278.563 279.405 277.737 279.465 277.737 279.105 278.227 277.7792	13.0695 13.1257 13.1498 13.1996 13.6509 13.6509 13.662 14.1499 14.1851 14.2159 14.2776 14.7339 14.7575 14.8143 14.8823 15.2532	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .086987 .08913 .09942 .09493 .09524 .09477	.008 .004 .002 .005 .001 .002 .003 .003 .003 .004 .004 .004	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24
112138 112137 112136 112133 112133 112132 112130 112131 1121228 112127 112126 112127 112126 112127 112126 112127	11.434 11.435 11.434 13.389 13.390 13.392 15.828 15.827 15.826 15.831 19.302 19.297 19.294 23.443 23.450	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404 278.536 277.737 279.465 279.105 278.227 279.792	13.0695 13.1257 13.1498 13.1996 13.6509 13.6509 13.7662 14.1499 14.1851 14.2159 14.2776 14.7575 14.8143 14.8423 15.25532 15.2711	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .61461 .61461 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99279	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09524 .09587	.008 .004 .005 .001 .002 .002 .003 .003 .003 .004 .004 .003 .003 .003	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08
112138 112137 112136 112133 112133 112132 112130 112131 112129 112128 112127 112126 112127 112126 112125	11.434 11.435 11.434 13.389 13.390 13.392 15.828 15.827 15.831 19.302 19.302 19.297 19.297	278.667 278.439 277.960 278.562 278.260 277.683 279.404 278.563 279.405 277.737 279.465 277.737 279.105 278.227	13.0695 13.1257 13.1498 13.1996 13.6509 13.6509 13.662 14.1499 14.1851 14.2159 14.2776 14.7339 14.7575 14.8143 14.8823 15.2532	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .086987 .08913 .09942 .09493 .09524 .09477	.008 .004 .002 .005 .001 .002 .003 .003 .003 .004 .004 .004	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24
112138 112137 112136 112133 112133 112132 112130 112131 112129 112128 112127 112126 112127 112126 112122 112123 112123	11.434 11.435 11.434 13.389 13.390 13.392 15.828 15.827 15.826 15.831 19.302 19.297 19.294 23.443 23.443	278.667 278.439 277.960 273.980 275.562 278.260 277.683 279.404 278.642 278.536 277.737 279.465 279.105 278.227 277.792 279.935 279.638 278.068	13.0695 13.1257 13.1498 13.1996 13.6509 13.6883 13.7146 13.7662 14.1499 14.1851 14.2159 14.2776 14.7378 14.7575 14.8423 15.2532 15.2532 15.2532	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270 .92583 .73083	.07993 .08032 .08134 .08141 .08503 .08521 .08542 .08542 .08838 .06987 .08913 .09042 .05493 .09524 .09587 .10102 .10003	.008 .004 .005 .001 .002 .002 .002 .002 .003 .003 .003 .004 .003 .002 .004 .003	.07987 .C 6021 .C 8126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .C9044 .09477 .09509 .09472 .09588 .10080	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24
112139 112137 112136 112133 112133 112137 112130 112131 112129 112128 112127 112128 112127 112125 112125 112121	11.434 11.435 11.434 13.389 13.389 13.389 15.828 15.828 15.827 15.826 19.302 19.302 19.302 19.297 19.297 23.443 23.443	278.667 278.439 277.960 273.980 278.562 278.562 278.683 279.404 278.536 277.737 279.465 277.737 279.465 277.792 279.935 278.0638 277.696	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1851 14.2159 14.2776 14.7575 14.7575 14.8143 14.6423 15.2532 15.2711 15.3893 15.3906	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270 .92583 .73083 .61564	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .09942 .09493 .09042 .09497 .09587 .10102 .10003 .10118	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .002 .005 .005	.07987 .C 8021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .C9044 .09477 .09509 .09472 .09588 .10080 .09983	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08
112139 112137 112136 112133 112133 112133 112130 112131 112129 112127 112126 112127 112126 112127 112126 112127 112120 112121	11.434 11.435 11.434 13.389 13.390 13.392 15.828 15.827 15.826 15.831 19.302 19.297 19.297 19.294 23.443 23.443 23.443 23.443 23.443	278.667 278.439 277.960 278.562 278.260 277.683 279.404 278.962 277.737 279.465 277.737 279.465 277.7792 279.935 279.638 278.638 277.506 279.7506	13.0695 13.1257 13.1498 13.1996 13.6509 13.6509 14.6509 14.1851 14.2159 14.2776 14.7375 14.7575 14.8143 14.8823 15.2532 15.2711 15.3503 15.3906 15.4901	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .92583 .73083 .73083 .73083 .73083 .73083 .73083 .73083	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09477 .09587 .10102 .10003 .10063 .10118	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .003 .002 .031 .015 .002	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08 15 .12
112139 112137 112136 112133 112133 112137 112130 112131 112129 112128 112127 112128 112127 112125 112125 112121	11.434 11.435 11.434 13.389 13.389 13.389 15.828 15.828 15.827 15.826 19.302 19.302 19.302 19.297 19.297 23.443 23.443	278.667 278.439 277.960 273.980 278.562 278.562 278.683 279.404 278.536 277.737 279.465 277.737 279.465 277.792 279.935 278.0638 277.696	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1851 14.2159 14.2776 14.7575 14.7575 14.8143 14.6423 15.2532 15.2711 15.3893 15.3906	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270 .92583 .73083 .61564	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .09942 .09493 .09042 .09497 .09587 .10102 .10003 .10118	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .002 .005 .005	.07987 .C 8021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .C9044 .09477 .09509 .09472 .09588 .10080 .09983	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08
112138 112137 112136 112133 112133 112132 112130 112131 1121228 112127 112126 112127 112126 112127 112126 112127 112129 112121	11.434 11.435 11.434 13.389 13.390 13.392 15.828 15.827 15.826 15.831 19.302 19.297 19.297 19.297 23.443 23.443 23.445 25.362	278.667 278.439 277.960 278.562 278.260 277.683 279.404 278.536 277.737 279.465 279.105 278.227 277.792 279.935 279.638 278.068 277.500 279.750 279.750	13.0695 13.1257 13.1498 13.1996 13.6509 13.6509 14.6883 13.7146 14.1851 14.2159 14.2159 14.2776 14.7339 14.7575 14.8143 15.2532 15.2711 15.3593 15.3593 15.3695	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .61461 .61467 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270 .92583 .73083 .73083 .73083 .73087 .99270 .92583	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09493 .10102 .10003 .10108 .10118 .10288 .10190	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .003 .002 .003 .003 .004 .003 .002 .003 .003	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09477 .09588 .10080 .09983 .10080 .10123	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08 15 .15 .15 .75
112138 112137 112136 112133 112133 112132 112130 112131 112129 112127 112126 112127 112126 112127 112126 112127 112121 112121	11.434 11.435 11.434 13.389 13.390 13.392 15.828 15.827 15.826 15.827 15.8302 19.297 19.297 19.294 23.443 23.443 23.443 23.455 25.362 25.362	278.667 278.439 277.960 273.980 278.260 277.683 279.404 278.536 277.737 279.465 279.165 279.165 279.27 279.935 279.935 279.638 277.506 279.750 279.232	13.0695 13.1257 13.1498 13.1996 13.6803 13.7146 13.7662 14.1499 14.1851 14.2159 14.2776 14.7375 14.7575 14.8423 15.2532 15.2532 15.2532 15.3006 15.4901 15.5085 15.5412	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .61526 .92270 .85694 .99270 .92583 .61564 .99270 .92583 .61564 .99270 .92389 .85674	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09587 .10102 .10003 .10118 .10288 .10190 .10241	.008 .004 .005 .001 .002 .003 .003 .003 .003 .004 .004 .004 .004	.07987 .C8021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .C9044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08 15 .12 .50
112139 112137 112136 112133 112133 112137 112130 112131 112128 112127 112126 112127 112126 112127 112126 112127 112121 112121 112121 112121 112121 112120 112117 112118 112116 112115	11.434 11.435 11.434 13.389 13.389 13.389 15.828 15.828 15.827 15.826 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302	278.667 278.439 277.960 278.562 278.562 278.683 279.404 278.962 278.536 277.737 279.465 279.105 278.227 277.792 279.638 278.068 277.506 279.750 279.750 279.750 279.750	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1851 14.2159 14.2776 14.7575 14.7575 14.7575 14.8143 15.2532 15.2711 15.3893 15.3893 15.4801 15.5085 15.5787	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270 .92583 .73083 .61564 .99279 .92389 .92389 .92389 .92389 .73122	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .09942 .09493 .09524 .09477 .09587 .10102 .10003 .10063 .10118 .10288 .10190 .10241 .10261	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .002 .031 .016 .002 .030 .002	.07987 .C 8021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .C9044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08 15 .12 .50 75 56
112138 112137 112136 112133 112133 112132 112130 112131 112129 112127 112126 112127 112126 112127 112126 112127 112121 112121	11.434 11.435 11.434 13.389 13.390 13.392 15.828 15.827 15.826 15.827 15.8302 19.297 19.297 19.294 23.443 23.443 23.443 23.455 25.362 25.362	278.667 278.439 277.960 273.980 278.260 277.683 279.404 278.536 277.737 279.465 279.165 279.165 279.27 279.935 279.935 279.638 277.506 279.750 279.232	13.0695 13.1257 13.1498 13.1996 13.6803 13.7146 13.7662 14.1499 14.1851 14.2159 14.2776 14.7375 14.7575 14.8423 15.2532 15.2532 15.2532 15.3006 15.4901 15.5085 15.5412	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .61526 .92270 .85694 .99270 .92583 .61564 .99270 .92583 .61564 .99270 .92389 .85674	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09587 .10102 .10003 .10118 .10288 .10190 .10241	.008 .004 .005 .001 .002 .003 .003 .003 .003 .004 .004 .004 .004	.07987 .C8021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .C9044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08 15 .12 .50
112139 112137 112136 112133 112133 112137 112130 112131 112128 112127 112126 112127 112126 112127 112126 112127 112121 112121 112121 112121 112121 112120 112117 112118 112116 112115	11.434 11.435 11.434 13.389 13.389 13.389 15.828 15.828 15.827 15.826 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302	278.667 278.439 277.960 278.562 278.562 278.683 279.404 278.962 278.536 277.737 279.465 279.105 278.227 277.792 279.638 278.068 277.506 279.750 279.750 279.750 279.750	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1851 14.2159 14.2776 14.7575 14.7575 14.7575 14.8143 15.2532 15.2711 15.3893 15.3893 15.4801 15.5085 15.5787	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270 .92583 .73083 .61564 .99279 .92389 .92389 .92389 .92389 .73122	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .09942 .09493 .09524 .09477 .09587 .10102 .10003 .10063 .10118 .10288 .10190 .10241 .10261	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .002 .031 .016 .002 .030 .002	.07987 .C 8021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .C9044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08 15 .12 .50 75 56
112139 112137 112136 112133 112133 112137 112130 112131 112128 112127 112126 112127 112126 112127 112126 112127 112121 112121 112121 112121 112121 112120 112117 112118 112116 112115	11.434 11.435 11.434 13.389 13.389 13.389 15.828 15.828 15.827 15.826 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302	278.667 278.439 277.960 278.562 278.562 278.683 279.404 278.962 278.536 277.737 279.465 279.105 278.227 277.792 279.638 278.068 277.506 279.750 279.750 279.750 279.750	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1851 14.2159 14.2776 14.7575 14.7575 14.7575 14.8143 15.2532 15.2711 15.3893 15.3893 15.4801 15.5085 15.5787	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270 .92583 .73083 .61564 .99279 .92389 .92389 .92389 .92389 .73122	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09477 .10102 .10003 .10163 .10118 .10288 .10190 .10241 .10261	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .002 .031 .016 .002 .030 .002	.07987 .C 6021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .C9044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .1C172 .1C229 .1C229	-1.81 -1.77 62 80 03 09 -2.39 36 56 75 31 65 72 81 18 74 1.24 08 15 12 50 75 31
112139 112137 112136 112133 112133 112137 112130 112131 112128 112127 112126 112127 112126 112127 112126 112127 112121 112121 112121 112121 112121 112120 112117 112118 112116 112115	11.434 11.435 11.434 13.389 13.389 13.389 15.828 15.828 15.827 15.826 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302	278.667 278.439 277.960 278.562 278.562 278.683 279.404 278.962 278.536 277.737 279.465 279.105 278.227 277.792 279.638 278.068 277.506 279.750 279.750 279.750 279.750	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1851 14.2159 14.2776 14.7575 14.7575 14.7575 14.8143 15.2532 15.2711 15.3893 15.3893 15.4801 15.5085 15.5787	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270 .92583 .73083 .61564 .99279 .92389 .92389 .92389 .92389 .73122	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09477 .09587 .10102 .10003 .10118 .10288 .10118 .10288 .10190 .10241 .10325	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .002 .031 .016 .002 .030 .002	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10260 .10333	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08 15 .12 .50 75 31 .74
112138 112137 112136 112133 112135 112130 112131 112128 112127 112126 112127 112126 112127 112126 112127 112121 112121 112121 112121 112121 112119 112117 112116 112115 112114	11.434 11.435 11.434 13.389 13.389 13.389 15.828 15.827 15.826 15.827 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.305 25.362 25.362 25.362 25.363	278.667 278.439 277.960 278.960 278.562 278.260 277.683 279.404 278.942 278.535 277.737 279.465 277.737 279.465 279.105 279.105 279.638 277.792 279.638 277.506 279.750 279.232 278.634 277.945 277.945	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1499 14.1851 14.2776 14.7575 14.7575 14.7575 14.87573 14.88423 15.2532 15.2711 15.3893 15.3893 15.4801 15.5085 15.5787 15.6144	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270 .92583 .73083 .61564 .99279 .92389 .85674 .73122 .61460	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09477 .09587 .10102 .10003 .10118 .10288 .10190 .10241 .10261 .10325	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .003 .005 .005 .006 .006 .007 .007 .007 .007 .007 .007	.07987 .C8021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .C9044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .1C172 .1C229 .1C260 .10333	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08 15 .12 .50 75 56 70 40 Conductivity Oeviation
112139 112137 112136 112133 112133 112137 112130 112131 112128 112127 112126 112127 112126 112127 112126 112127 112121 112121 112121 112121 112121 112120 112117 112118 112116 112115	11.434 11.435 11.434 13.389 13.389 13.389 15.828 15.828 15.827 15.826 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302	278.667 278.439 277.960 278.562 278.562 278.683 279.404 278.962 278.536 277.737 279.465 279.105 278.227 277.792 279.638 278.068 277.506 279.750 279.750 279.750 279.750	13.0685 13.1257 13.1498 13.1996 13.6509 13.662 13.7146 13.7662 14.1851 14.2159 14.2776 14.7575 14.7575 14.8739 14.8423 15.2532 15.2711 15.5085 15.5085 15.5085 15.5787	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270 .92583 .73083 .61564 .99279 .92389 .92389 .92389 .92389 .73122	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09477 .09587 .10102 .10003 .10118 .10288 .10118 .10288 .10190 .10241 .10325	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .003 .005 .005 .006 .006 .007 .007 .007 .007 .007 .007	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10260 .10333	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08 15 .12 .50 75 56 70 40 Conductivity Oeviation
112138 112137 112136 112133 112135 112130 112131 112128 112127 112126 112127 112126 112127 112126 112127 112121 112121 112121 112121 112121 112119 112117 112116 112115 112114	11.434 11.435 11.434 13.389 13.389 13.389 13.382 15.828 15.827 15.826 15.831 19.302 19.297 19.297 19.297 19.294 23.443 23.443 23.453 25.362 25.362 25.362	278.667 278.439 277.960 273.980 278.260 278.260 277.683 279.404 278.536 277.737 279.465 279.105 278.227 277.792 279.935 279.638 277.506 279.750 279.232 278.634 277.506 279.750	13.0695 13.1257 13.1498 13.1996 13.6509 13.6509 14.6509 14.1851 14.2159 14.2776 14.7375 14.7375 14.8143 15.2532 15.2711 15.3503 15.3503 15.3605 15.4801 15.5085 15.5412 15.55412 15.55412	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270 .92583 .73083 .61564 .99279 .92389 .85674 .73122 .61460	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09477 .09587 .10102 .10003 .10063 .10118 .10288 .10190 .10241 .10261 .10325	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .003 .005 .005 .006 .006 .007 .007 .007 .007 .007 .007	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10260 .10333  Adjusted Thermal at a Nominal Temperature of 283.2K	-1.81 -1.7762800309 -2.393656 .7531 .65 .72 .8118 .74 1.24 .0815 .12 .5075567040  Conductivity Oeviation from Corelation
112138 112137 112136 112133 112135 112130 112131 112128 112127 112126 112127 112126 112127 112126 112127 112121 112121 112121 112121 112121 112119 112117 112116 112115 112114	11.434 11.435 11.434 13.389 13.389 13.389 15.828 15.827 15.826 15.827 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.305 25.362 25.362 25.362 25.363	278.667 278.439 277.960 278.960 278.562 278.260 277.683 279.404 278.942 278.535 277.737 279.465 277.737 279.465 279.105 279.105 279.638 277.792 279.638 277.506 279.750 279.232 278.634 277.945 277.945	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1499 14.1851 14.2776 14.7575 14.7575 14.7575 14.87573 14.88423 15.2532 15.2711 15.3893 15.3893 15.4801 15.5085 15.5787 15.6144	.79375 .73092 .67213 .61477 .79282 .73121 .67216 .61461 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .99270 .92583 .73083 .61564 .99279 .92389 .85674 .73122 .61460	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09477 .09587 .10102 .10003 .10118 .10288 .10190 .10241 .10261 .10325	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .003 .005 .005 .006 .006 .007 .007 .007 .007 .007 .007	.07987 .C8021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .C9044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .1C172 .1C229 .1C260 .10333	-1.81 -1.77 62 80 03 09 -2.39 36 56 .75 31 .65 .72 .81 18 .74 1.24 .08 15 .12 .50 75 56 70 40 Conductivity Oeviation
112139 112137 112136 112133 112133 112132 112130 112131 112129 112128 112127 112128 112127 112128 112127 112128 112127 112128 1121214 1121214 112117 112118 112119 112119	11.434 11.435 11.434 13.389 13.389 13.389 13.382 15.828 15.827 15.826 15.827 19.302 19.302 19.297 19.297 23.443 23.445 25.362 25.362 25.362 25.363	278.667 278.439 277.960 273.980 278.562 278.562 278.683 279.404 278.536 277.737 279.465 279.105 278.227 277.792 279.935 279.638 278.068 277.506 279.750 279.232 278.634 277.293	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1899 14.2159 14.2776 14.7379 14.7575 14.8423 15.2532 15.2711 15.3593 15.3906 15.4801 15.5582 15.5787 15.6144	.79375 .73092 .67213 .61477 .79282 .73121 .67266 .61461 .85720 .79275 .73087 .61526 .92270 .856.94 .99270 .92583 .615F4 .99279 .92583 .615F4 .99279 .92583 .615F4 .99279 .92589 .92589 .92789	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09477 .09587 .10102 .10003 .10118 .10288 .10190 .10241 .10261 .10325 Experimental Thermal Conductivity	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .004 .005 .002 .031 .015 .002 .030 .030 .030 .030 .030 .030 .030	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10229 .10229 .10229 .10229 .102333  Adjusted Thermal at a Nominel Temperature of 283.2K W/m.K	-1.81 -1.7762800309 -2.393656 .7531 .65 .72 .8118 .74 1.24 .0815 .12 .5075567040  Conductivity Oeviation from Corelation percent
112138 112137 112136 112133 112135 112130 112131 112129 112127 112126 112127 112125 112122 112122 112122 112121 112119 112117 112116 112116 112114	11.434 11.435 11.435 11.434 13.389 13.389 13.392 15.828 15.827 15.826 15.831 19.302 19.302 19.302 19.302 19.302 19.302 19.306 25.362 25.362 25.362 25.363	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404 278.942 278.737 279.465 277.737 279.465 279.105 279.105 279.105 279.638 277.506 279.750 279.638 277.506 277.506 277.232 278.634 277.945 277.293	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1851 14.2159 14.2776 14.7575 14.7575 14.7575 14.87573 14.87573 15.2532 15.2711 15.3893 15.3906 15.4801 15.5085 15.5787 15.6144	.79375 .73092 .67213 .61467 .79282 .73121 .67216 .85720 .79287 .73087 .61526 .92270 .85694 .73087 .73087 .73087 .73087 .73087 .73087 .73087 .73087 .73087 .73087	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09477 .00587 .10102 .10003 .10118 .10288 .10190 .10241 .10261 .10325 Experimental Thermal Conductivity	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .003 .002 .031 .016 .002 .030 .029 .001 .017 .004	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10260 .10333  Adjusted Thermal at a Nominal Temperature of 283.2K W/m.K	-1.81 -1.7762800309 -2.393656 .7531 .65 .72 .8118 .74 1.24 .0815 .12 .5075567040  Conductivity Oeviation from Corelation percent
112139 112137 112136 112133 112133 112132 112130 112131 112129 112128 112127 112128 112127 112128 112127 112128 112127 112128 1121214 1121214 112117 112118 112119 112119	11.434 11.435 11.434 13.389 13.389 13.389 13.382 15.828 15.827 15.826 15.827 19.302 19.302 19.297 19.297 23.443 23.445 25.362 25.362 25.362 25.363	278.667 278.439 277.960 273.980 278.562 278.562 278.683 279.404 278.536 277.737 279.465 279.105 278.227 277.792 279.935 279.638 278.068 277.506 279.750 279.232 278.634 277.293	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1899 14.2159 14.2776 14.7379 14.7575 14.8423 15.2532 15.2711 15.3593 15.3906 15.4801 15.5582 15.5787 15.6144	.79375 .73092 .67213 .61477 .79282 .73121 .67266 .61461 .85720 .79275 .73087 .61526 .92270 .856.94 .99270 .92583 .615F4 .99279 .92583 .615F4 .99279 .92583 .615F4 .99279 .92589 .92589 .92789	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09477 .09587 .10102 .10003 .10118 .10288 .10190 .10241 .10261 .10325 Experimental Thermal Conductivity	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .004 .004 .005 .002 .031 .015 .002 .030 .030 .030 .030 .030 .030 .030	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10229 .10229 .10229 .10229 .102333  Adjusted Thermal at a Nominel Temperature of 283.2K W/m.K	-1.81 -1.7762800309 -2.393656 .7531 .65 .72 .8118 .74 1.24 .0815 .12 .5075567040  Conductivity Oeviation from Corelation percent
112138 112137 112136 112133 112133 112130 112131 112123 112121 112126 112127 112126 112127 112126 112127 112128 1121214 112121 1121219 112119 112119 112119 112114	11.434 11.435 11.434 13.389 13.389 13.389 15.828 15.827 15.826 15.827 15.826 15.831 19.302 19.302 19.297 19.297 19.297 19.297 19.297 19.295 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.305 19.305 23.443 23.443 23.453 25.362 25.362 25.362 25.363	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404 278.536 277.737 279.465 279.105 278.227 277.792 279.935 279.638 278.068 277.506 279.750 279.232 278.634 277.293	13.0685 13.1257 13.1498 13.1996 13.6509 13.6509 14.6833 13.7146 13.7662 14.1499 14.1851 14.2159 14.2776 14.7375 14.8143 15.2532 15.2711 15.3506 15.4801 15.5085 15.5412 15.55412 15.55412 15.55412 15.56144	.79375 .73092 .67213 .61467 .79282 .73121 .67216 .85720 .79275 .73087 .61526 .92270 .85694 .73087 .61589 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92389 .85674 .73122 .61460	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09477 .09587 .10102 .10003 .10063 .10118 .10288 .10190 .10241 .10261 .10325 	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .003 .002 .031 .015 .002 .030 .029 .001 .017 .017 .017 .017	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10229 .10260 .10333  Adjusted Thermal at a Nominal Temperature of 283.2K W/m.K	-1.81 -1.7762800309 -2.393656 .7531 .65 .72 .8118 .74 1.24 .0815 .12 .5075567040  Conductivity Oeviation from Corelation percent
112138 112137 112136 112133 112133 112132 112130 112131 112128 112127 112126 112127 112126 112127 112126 112127 112121 112121 112119 112117 112118 112117 112118 112117	11.434 11.435 11.434 13.389 13.392 15.828 15.827 15.826 15.831 19.302 19.297 19.297 19.294 23.443 23.450 23.433 23.450 25.362 25.362 25.362 25.362 25.363	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404 278.536 277.737 279.465 279.105 279.105 279.27 279.750 279.750 279.750 279.750 279.232 278.634 277.506 279.750 279.232 278.634 277.293	13.0695 13.1257 13.1498 13.1996 13.6509 13.6883 13.7146 13.7662 14.1499 14.2159 14.2159 14.2776 14.7375 14.7375 14.8423 15.2532 15.3508 15.4901 15.5685 15.5412 15.5787 15.5412 15.5787 15.6144 Density Tol/L	.79375 .73092 .67230 .61477 .79282 .73121 .6726 .61461 .85720 .73087 .61526 .92270 .85694 .99270 .92583 .61564 .99270 .85674 .73122 .61460	.07993 .08032 .08134 .08134 .08141 .08503 .08542 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09587 .10102 .10003 .10118 .10288 .10118 .10288 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10241 .10325 Experimental Thermal Conductivity V/T.K .02305 .02258	.008 .004 .005 .001 .002 .003 .003 .003 .003 .004 .004 .004 .004	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .1C172 .1C229 .1C260 .10333  Adjusted Thermal at a Nominal Temperature of 283.2K W/m.K	-1.81 -1.7762800309 -2.39365675316572811874 1.240815125075567040  Conductivity Oeviation from Corelation percent563145
112139 112137 112136 112133 112133 112130 112131 112129 112128 112127 112128 112127 112128 112127 112125 112121 112121 112121 112114 112117 112118 112116 112115 112114	11.434 11.435 11.434 13.389 13.389 13.392 15.828 15.828 15.827 15.826 19.302 19.302 19.302 19.297 19.294 23.443 23.445 25.362 25.362 25.361 25.363	278.667 278.439 277.960 278.562 278.562 278.562 278.683 279.404 278.942 278.536 277.737 279.465 279.105 278.227 277.792 279.935 279.638 278.068 277.506 279.750 279.232 278.634 277.293  Temperature K  286.362 285.297 284.386 283.498	13.0685 13.1257 13.1498 13.1996 13.6509 13.6883 13.7146 13.7662 14.1499 14.1259 14.2776 14.7379 14.7575 14.8423 15.2532 15.2711 15.3593 15.3906 15.4901 15.5085 15.5787 15.6144	.79375 .73092 .67213 .61477 .79282 .73121 .67261 .85720 .79275 .73087 .61526 .92270 .856.94 .99270 .92583 .615F4 .99279 .92389 .615F67 .73122 .61460	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09477 .09587 .10102 .10003 .10118 .10288 .10190 .10241 .10261 .10325 Experimental Thermal Conductivity W/T.K	.008 .004 .005 .001 .002 .003 .003 .003 .003 .004 .004 .004 .003 .002 .030 .029 .030 .029 .030 .030 .030 .030 .030 .030 .030 .03	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10229 .10260 .10333  Adjusted Thermal at a Nominel Temperature of 283.2K W/m.K .02267 .02261 .02244 .02275	-1.81 -1.7762800309 -2.393656 .7531 .65 .72 .8118 .74 1.24 .0815 .12 .5075567040  Conductivity Oeviation from Corelation percent .56 .3145 .88
112138 112137 112136 112133 112133 112132 112130 112131 112128 112127 112126 112127 112126 112127 112126 112127 112121 112121 112119 112117 112118 112117 112118 112117	11.434 11.435 11.434 13.389 13.392 15.828 15.827 15.826 15.831 19.302 19.297 19.297 19.294 23.443 23.450 23.433 23.450 25.362 25.362 25.362 25.362 25.363	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404 278.536 277.737 279.465 279.105 279.105 279.27 279.750 279.750 279.750 279.750 279.232 278.634 277.506 279.750 279.232 278.634 277.293	13.0695 13.1257 13.1498 13.1996 13.6509 13.6883 13.7146 13.7662 14.1499 14.2159 14.2159 14.2776 14.7375 14.7375 14.8423 15.2532 15.3508 15.4901 15.5685 15.5412 15.5787 15.5412 15.5787 15.6144 Density Tol/L	.79375 .73092 .67230 .61477 .79282 .73121 .6726 .61461 .85720 .73087 .61526 .92270 .85694 .99270 .92583 .61564 .99270 .85674 .73122 .61460	.07993 .08032 .08134 .08134 .08141 .08503 .08542 .08344 .08542 .08838 .06987 .08913 .09042 .09493 .09524 .09587 .10102 .10003 .10118 .10288 .10118 .10288 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10241 .10325 Experimental Thermal Conductivity V/T.K .02305 .02258	.008 .004 .005 .001 .002 .003 .003 .003 .003 .004 .004 .004 .004	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10260 .10333  Adjusted Thermal at a Nominal Temperature of 283.2K W/m.K .02267 .02261 .02244 .02275 .02357	-1.81 -1.7762800309 -2.393656 .7531 .65 .72 .8118 .74 1.24 .0815 .12 .5075567040  Conductivity Oeviation from Corelation percent .56 .3145 .88 .73
112138 112137 112136 112133 112133 112130 112131 112129 112127 112126 112127 112126 112127 112126 112127 112121 112119 112117 112118 112119 112119 112117 112116 112116 112116 112117 112118	11.434 11.435 11.435 11.434 13.389 13.389 13.392 15.828 15.827 15.826 15.827 15.826 15.827 15.826 15.827 15.826 15.827 15.826 15.826 15.827 15.826 15.827 15.826 15.836 12.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 10.016	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404 278.942 278.737 279.465 277.737 279.465 279.105 279.105 279.105 279.750 279.638 277.506 277.506 279.750 279.232 278.634 277.945 277.293	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1499 14.1851 14.2776 14.7575 14.7575 14.7575 14.7575 14.7575 14.7575 15.2532 15.2532 15.2711 15.3893 15.3906 15.4801 15.5085 15.5787 15.6144	.79375 .73092 .67213 .61467 .79282 .73121 .67216 .61461 .85720 .79275 .61526 .92270 .85694 .73087 .7	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .09942 .09493 .09524 .09477 .09587 .10102 .10003 .10063 .10118 .10288 .10190 .10241 .10241 .10325 Experimental Thermal Conductivity V/T.K .02305 .02258 .02278 .02278 .02384	.008 .004 .002 .005 .001 .002 .003 .003 .003 .004 .004 .004 .003 .002 .031 .016 .002 .030 .029 .001 .017 .004 .005 .005 .005 .005 .005 .005 .005	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10260 .10333  Adjusted Thermal at a Nominal Temperature of 283.2K W/m.K .02267 .02261 .02244 .02275 .02357	-1.81 -1.7762800309 -2.393656 .7531 .65 .72 .8118 .74 1.24 .0815 .12 .5075567040  Conductivity Oeviation from Corelation percent .56 .3145 .88 .73
112138 112137 112136 112133 112133 112133 112131 112123 112121 112126 112127 112126 112127 112126 112127 112128 11212114 112119 112119 112119 112117 112118 112119 112117 112118 112114	11.434 11.435 11.434 13.389 13.390 13.389 13.392 15.828 15.827 15.826 15.831 19.302 19.302 19.297 19.297 19.297 19.297 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.303 23.443 23.453 23.463 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362	278.667 278.439 277.960 278.562 278.260 277.683 279.404 278.536 277.737 279.465 279.105 278.227 277.792 279.935 279.638 278.068 277.506 279.232 278.634 277.293	13.0695 13.1257 13.1498 13.1996 13.6509 13.662 14.1499 14.1851 14.2159 14.2776 14.7375 14.7575 14.8143 15.2532 15.2711 15.3506 15.4801 15.5085 15.5412 15.55412 15.55412 15.55412 15.56144	.79375 .73092 .67213 .61461 .65720 .79287 .73087 .61526 .92270 .85684 .73087 .61589 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .09942 .09493 .09524 .09477 .09587 .10102 .10003 .10063 .10118 .10288 .101190 .10241 .10261 .10325 Experimental Thermal Conductivity W/T.K	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .003 .002 .031 .015 .002 .030 .029 .001 .017 .017 .017 .017 .017 .017 .017	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10229 .10260 .10333  Adjusted Thermal at a Nominal Temperature of 283.2K W/m.K .02267 .02261 .02244 .02275 .02357 .02357	-1.81 -1.7762800309 -2.39365675316572811874 1.240815125075567040  Conductivity Oeviation from Corelation percent5673887345887355
112138 112137 112136 112133 112133 112133 112131 112132 112131 112126 112127 112126 112127 112126 112127 112121 112121 112121 112117 112118	11.434 11.435 11.434 13.389 13.390 13.389 13.392 15.828 15.827 15.826 15.831 19.302 19.297 19.297 19.294 23.443 23.450 23.443 23.450 23.433 23.445 25.362 25.362 25.362 25.361 25.363	278.667 278.439 277.960 273.980 278.562 278.260 277.683 279.404 278.536 277.773 279.465 279.105 278.227 277.779 279.935 279.638 278.068 277.506 279.750 279.232 278.634 277.506 279.750 279.232 278.634 277.293	13.0695 13.1257 13.1498 13.1996 13.6509 13.6883 13.7146 13.7662 14.1499 14.1259 14.2776 14.7379 14.2776 14.7373 15.3006 15.5085 15.5787 15.5614  Density Tol/L  1366 1371 1379 1384 4667	.79375 .73092 .67213 .61477 .79282 .673121 .67267 .61526 .92270 .856947 .61589 .99270 .92583 .61574 .99279 .825674 .73122 .61460  Power y/m .16009 .13265 .10795 .08567 .16306	.07993 .08032 .08134 .08134 .08141 .08503 .08542 .08344 .08542 .08913 .09042 .09493 .09524 .09477 .09587 .10102 .10003 .10118 .10288 .10118 .10288 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10190 .10241 .10325 Experimental Thermal Conductivity V/T.K .02305 .02258 .02258 .02278 .02369 .02369	.008 .004 .005 .001 .002 .003 .003 .003 .003 .004 .004 .004 .004	.07987 .08021 .08126 .08139 .08489 .08544 .08938 .08544 .08922 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .1C172 .1C229 .1C260 .10333  Adjusted Thermal at a Nominal Temperature of 283.2K W/m.K .02267 .02261 .02244 .02275 .02353 .02357	-1.81 -1.7762800309 -2.393656 .7531 .65 .72 .8118 .74 1.24 .0815 .12 .5075567040  Conductivity Oeviation from Corelation percent .56 .3145 .88 .73 .55 .68
112138 112137 112136 112133 112133 112133 112131 112123 112121 112126 112127 112126 112127 112126 112127 112128 11212114 112119 112119 112119 112117 112118 112119 112117 112118 112114	11.434 11.435 11.434 13.389 13.390 13.389 13.392 15.828 15.827 15.826 15.831 19.302 19.302 19.297 19.297 19.297 19.297 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.302 19.303 23.443 23.453 23.463 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362 25.362	278.667 278.439 277.960 278.562 278.260 277.683 279.404 278.536 277.737 279.465 279.105 278.227 277.792 279.935 279.638 278.068 277.506 279.232 278.634 277.293	13.0695 13.1257 13.1498 13.1996 13.6509 13.662 14.1499 14.1851 14.2159 14.2776 14.7375 14.7575 14.8143 15.2532 15.2711 15.3506 15.4801 15.5085 15.5412 15.55412 15.55412 15.55412 15.56144	.79375 .73092 .67213 .61461 .85720 .79287 .73087 .61526 .92270 .85684 .73087 .61589 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083 .61564 .99270 .92583 .73083	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .09942 .09493 .09524 .09477 .09587 .10102 .10003 .10063 .10118 .10288 .101190 .10241 .10261 .10325 Experimental Thermal Conductivity W/T.K	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .003 .002 .030 .029 .031 .016 .020 .030 .029 .031 .017 .020 .030 .031 .030 .031 .030 .031 .030 .031 .030 .031 .030 .031 .030 .031 .030 .031 .030 .030	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10260 .10333  Adjusted Thermal at a Nominel Temperature of 283.2K W/m.K .02267 .02267 .02261 .02244 .02275 .02357 .02357 .02357	-1.81 -1.7762800309 -2.393656 .7531 .65 .72 .8118 .74 1.24 .0815 .12 .5075567040  Conductivity Oeviation from Corelation percent .56 .3145 .88 .73 .55 .68 .36
112138 112137 112136 112133 112133 112133 112130 112131 112128 112127 112126 112127 112125 112122 112122 112121 112114 112117 112118 112117 112118 112116 112115 112114	11.434 11.435 11.434 13.389 13.389 13.389 13.389 15.828 15.828 15.827 15.826 15.827 23.425 25.362 25.362 25.362 25.362 25.363 Pressure MPa 319 320 1.016 1.017 1.017	278.667 278.439 277.960 278.562 278.562 278.683 279.404 278.962 278.7683 279.465 277.737 279.465 279.105 278.227 277.792 279.935 279.638 278.068 277.506 279.750 279.23 278.634 277.945 277.293  Temperature K  286.362 285.293	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1499 14.1551 14.2159 14.7776 14.7575 14.7575 14.7575 14.7575 14.7575 14.8423 15.2532 15.2711 15.3593 15.3906 15.4801 15.5085 15.5787 15.6144	.79375 .73092 .67233 .61477 .79282 .73121 .6726 .67275 .61526 .92270 .85694 .73087 .61589 .992583 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92387 .73122 .61460	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .09942 .09493 .09042 .09493 .09587 .10102 .10003 .10118 .10288 .10190 .10241 .10261 .10325 Experimental Thermal Conductivity W/T.K .02305 .02368 .02369 .02369 .02369 .02369	.008 .004 .005 .001 .002 .003 .003 .003 .003 .004 .004 .004 .004	.07987 .08021 .08126 .08139 .08489 .08544 .08938 .08544 .08922 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .1C172 .1C229 .1C260 .10333  Adjusted Thermal at a Nominal Temperature of 283.2K W/m.K .02267 .02261 .02244 .02275 .02353 .02357	-1.81 -1.7762800309 -2.393656 .7531 .65 .72 .8118 .74 1.24 .0815 .12 .5075567040  Conductivity Oeviation from Corelation percent .56 .3145 .88 .73 .55 .68
112138 112137 112136 112133 112133 112133 112130 112131 112129 112127 112126 112127 112126 112127 1121214 112121 112117 112118 112117 112118 112117 112114	11.434 11.435 11.434 11.435 11.434 13.389 13.390 13.389 13.392 15.828 15.827 15.826 15.827 15.826 15.827 15.826 15.827 15.826 15.827 15.826 15.827 15.826 15.8362 25.362 25.362 25.362 25.363 25.363  Pressure MPa 319 320 320 1.016 1.017 2.025	278.667 278.439 277.960 278.562 278.260 277.683 279.404 278.942 278.965 277.737 279.465 279.105 279.105 279.105 279.105 279.638 277.506 279.750 279.232 279.638 277.506 279.232 279.232 279.232 279.232 278.638 277.506 279.232 278.638 277.506 279.232 285.638 277.945 277.293	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1499 14.1851 14.2159 14.2776 14.7575 14.88143 14.08423 15.2532 15.2711 15.3303 15.3401 15.5085 15.5787 15.6144  Density Tol/L  .1366 .1371 .1379 .1384 .4567 .4588 .4607 .4623 .9795	.79375 .73092 .67213 .61467 .79282 .73121 .67216 .85729 .73087 .61526 .92270 .85694 .73087 .7	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .09942 .09493 .09524 .09477 .09587 .10102 .10003 .10063 .10118 .10288 .10190 .10241 .10241 .10325 Experimental Thermal Conductivity V/T.K .02305 .02278 .02364 .02369 .02369 .02369 .02348 .02501	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .003 .002 .031 .016 .002 .030 .029 .001 .017 .004 .003 .003 .003 .003 .003 .003 .003	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10066 .10123 .10266 .10172 .10229 .10260 .10333  Adjusted Thermal at a Nominal Temperature of 283.2K W/m.K .02267 .02261 .02244 .02275 .02357 .02357 .02357 .02357 .02359 .02478	-1.81 -1.7762800309 -2.393656 .753165 .72 .8118 .74 1.24 .08155670567040  Conductivity Oeviation from Corelation percent  .56 .3145 .88 .73 .55 .68 .3664
112138 112137 112136 112133 112133 112133 112130 112131 112128 112127 112126 112127 112125 112122 112122 112121 112114 112117 112118 112117 112118 112116 112115 112114	11.434 11.435 11.434 13.389 13.389 13.389 13.389 15.828 15.828 15.827 15.826 15.827 23.425 25.362 25.362 25.362 25.362 25.363 Pressure MPa 319 320 1.016 1.017 1.017	278.667 278.439 277.960 278.562 278.562 278.683 279.404 278.962 278.7683 279.465 277.737 279.465 279.105 278.227 277.792 279.935 279.638 278.068 277.506 279.750 279.23 278.634 277.945 277.293  Temperature K  286.362 285.293	13.0685 13.1257 13.1498 13.1996 13.6509 12.6883 13.7146 13.7662 14.1499 14.1551 14.2159 14.7776 14.7575 14.7575 14.7575 14.7575 14.7575 14.8423 15.2532 15.2711 15.3593 15.3906 15.4801 15.5085 15.5787 15.6144	.79375 .73092 .67233 .61477 .79282 .73121 .6726 .67275 .61526 .92270 .85694 .73087 .61589 .992583 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92383 .61584 .99279 .92387 .73122 .61460	.07993 .08032 .08134 .08141 .08503 .08521 .08344 .08542 .08838 .06987 .09942 .09493 .09042 .09493 .09587 .10102 .10003 .10118 .10288 .10190 .10241 .10261 .10325 Experimental Thermal Conductivity W/T.K .02305 .02368 .02369 .02369 .02369 .02369	.008 .004 .005 .001 .002 .003 .003 .003 .004 .004 .003 .002 .030 .029 .031 .016 .020 .030 .029 .031 .017 .020 .030 .031 .030 .031 .030 .031 .030 .031 .030 .031 .030 .031 .030 .031 .030 .031 .030 .030	.07987 .08021 .08126 .08139 .08489 .08511 .08338 .08544 .08826 .08972 .08903 .09044 .09477 .09509 .09472 .09588 .10080 .09983 .10060 .10123 .10266 .10172 .10229 .10260 .10333  Adjusted Thermal at a Nominel Temperature of 283.2K W/m.K .02267 .02267 .02261 .02244 .02275 .02357 .02357 .02357	-1.81 -1.7762800309 -2.393656 .7531 .65 .72 .8118 .74 1.24 .0815 .12 .5075567040  Conductivity Oeviation from Corelation percent .56 .3145 .88 .73 .55 .68

109132	2.032	284.079	.9920	.13270	.02491	.002	.02484	57
				.22249	.02671	.001	.02652	48
109130	2.865	285.880	1.4862					-1.14
109129	2.870	285.026	1.4981	.18990	.02651	. 201	.02639	
109128	2.875	284.229	1.5101	.15998	.02639	.002	.02633	-1.54
109127	2.881	283.579	1.5205	.13269	.02627	•003	• 02525	-1.99
109126	3.578	285.300	2.0031	.22245	.02852	.002	.02844	75
109125	3.579	284.511	2.0173	.18991	.02853	.002	.02849	79
					.02856	.001	.02854	77
109124	3.579	283.890	2.0288	.15996				
109123	3.581	283.197	2.0427	.13259	02 83 9	.003	.02839	-1.52
109122	4.124	285.585	2.4589	.25743	.03068	•005	•93065	04
109121	4.124	284.548	2.4865	.22243	.03071	.003	.03072	29
109120	4.124	284.018	2.5012	.18989	.33063	.003	.03064	77
		283.440	2.5172	.16004	.03056	.003	.03056	-1.26
109119	4.124							.33
109118	4.555	285.225	2.9002	. 29496	.03291	.002	•03298	
109117	4.555	284.520	2.9271	.25730	.03290	•002	.03296	16
109116	4.556	283.877	2.9534	.22216	.03281	.002	•03285	93
109115	4.556	283.413	2.9727	.18974	.03256	.003	.03257	-2.09
109114	5.021	284.649	3.4966	.29546	.03645	.003	.03550	1.04
								57
109113	5.021	284.124	3.5291	.25771	.03610	.004	.03621	
109112	5.021	283.558	3.5660	•22267	•03665	.002	.03659	•16
109111	5.021	282.990	3.6042	.19010	.03670	• 0 0 2	•03666	<del>-</del> .55
109110	5.254	284.199	3.8752	.29495	.03912	.004	.03927	1.82
109109	5.254	283.805	3.9082	.25732	.03857	.004	.03857	27
						.007	.03825	-2.55
109107	5.254	283.006	3.9776	.19009	.03829			
109106	5.391	283.517	4.1545	.25741	.04068	•003	.04074	• £ £
109105	5.382	283.162	4.1914	.22249	·04085	.003	.04084	• 50
109104	5.382	282.661	4.2455	.19011	.04089	.004	.04075	60
109103	5.382	282.487	4.2648	.16035	.04131	.004	.04112	01
10 91 02	5.708	282.855	4.9247	.25820	.04651	.003	.04538	1.40
					_			
109101	5.708	282.309	5.0175	.19054	.04586	.009	. 24551	-1.96
109100	5.708	282.084	5.0577	•16059	.04747	.004	.04701	.69
109099	5.708	281.487	5.1708	.13319	.04934	.004	.04756	. 11
109098	5.708	281.448	5.1784	.10820	.04828	.005	.04747	18
109097	5.919	281.758	5.7196	.19025	.05102	. 3 0 5	.05025	-2.44
109096	5.919	281.488	5.7874	.16022	.05173	.005	•95077	-2.35
109095	5.919	281.249	5.8494	.13278	.05194	.005	.05080	-3.17
109094	5.919	280.893	5.9459	.10793	• 05329	• 005	.05184	-2.41
109093	5.919	280.609	6.0264	.08568	.05370	.008	.05198	-3.23
109092	5.995	281.317	6.0760	.16011	.05396	•305	.05280	-2.30
109091	5.996	281.035	6.1583	.13278	.05484	.005	.05343	-2.16
109090	5.996	280.865	6.2085	.10792	•05733	•013	.05576	1.49
109089	5.996	287.649	6.2742	.08572	.05668	•008	.05490	89
109088	6.240	281.418	6.8544	.15049	.06074	• 006	.05947	. 45
109087	6.240	281.066	6.9745	.13294	.05142	.005	.05982	21
109085	6.240	281.033	6.9858	.10825	.06265	.007	.06102	1.64
								19
109085	5.240	280.734	7.0902	.08585	.06248	.008	.06053	
109084	6.437	281.717	7.4008	.22244	• 06475	•012	.06366	1.96
109083	6.437	281.542	7.4618	.19004	.06432	•009	.06308	• 53
109082	6.437	281.215	7.5783	.16005	.06499	.007	.06344	.12
109081	5.437	281.029	7.6461	.13274	.06557	.009	.06383	.19
109080	6.437	280.944	7.5774	.10795	.06688	.009	.06506	1.82
109078								
	6.511	281.688	7.9542	.22233	.06829	.012	•06715	2.90
109077	6.511	281.427	8.0496	.19004	.06665	• 229	.06528	- , # 4
109075	6.511	281.099	8.1695	•13282	.06911	• 005	•05743	1.96
109076	6.511	280.971	8.2159	.16001	.06833	.007	.06552	. 27
109079	6.611	280.844	8.2631	.10795	.07007	.007	.06813	2.35
109073	5.762	281.790	8.3634	.25694	.06996	.014	.06891	2.89
109072	6.762	281.569	8.442?	.22207	.06896	.008	•06773	.76
109071	6.762	281.221	P.5671	.18951	.07009	.012	.06855	1.90
109070	6.763	281.080	8.6194	•15969	.07119	.005	.05952	2.43
109074	6.762	280.913	8.6791	.13255	.07038	.004	.06856	.77
109068	6.935	282.101	8.7209	.29467	.07137	.012	.07060	3.45
109067	6.935	281.938	8.8112	. 256 97	. 07 092	.009	.06995	2.15
109366								
	6.935	281.659	8.8727	.22215	• 27090	.207	.Ú£979	1.67
109069	6.935	281.466	8.9391	•18981	•07126	• ၁ ೧ 6	.06999	1.59
109065	7.150	282.701	9.0425	.37752	.07256	.014	.07223	4.35
109053	7.149	282.279	9.1743	.33465	.07199	.011	.07139	2.75
109362	7.149	282.059	9.2450	.29461	.07169	.007	.07094	1.09
109060	7.335	283.036					.07335	
			9.3342	.42258	.07247	.012		3. 4
109061	7.150	281.787	9.3344	.25689	.07088	.005	.06994	. 20
109064	7.150	281.742	9.3486	. 22226	.07191	.004	. 37394	1.54
109058	7.335	282.621	9.4580	.37740	.07133	.008	.07098	1.28
109057	7.334	282.300	9.5500	.33447	.07199	.006	.07145	1. * *
109056	7.334	282.080	9.5191	.29470	.07115	.005	.07045	.10
109059	7.335	281.824	9.6965	.25721	.07129	.005	.07044	15
109053	7.612	282.441	9.7333	•52077	.07220	.011	•07231	2.34
109055	7.612	283.365	9.7479	.47079	• 07 02 5	.010	.07033	- + 4: 4:
109052	7.612	287.984	9.8565	.42259	.07144	•005	.07132	. 47
109754	7.611	282.591	9.9608	.37755	.07032	.004	.06999	-1.4-
109051	7.612	282.355	10.0254	.33473	.07135	.003	.07189	34
109050	R.024	284.617	10.0651	62965	.07014	.210	.07372	49
109049	8.024	283.802	10.2570	.52127	•07050	.005	.070.83	57
109048	8.025	283.158	10.4079	.42312	.07083	.005	.07080	-1.4)
109047	8.025	282.592	10.5359	.33524	.06961	.005	.06534	-3.64
109046	8.422	284.598	10.5590	.63001	.07095	. 304	.07143	-, - 0
109045	8.419	283.840	10.7129	.52112	.07048	.202	. 27272	-2.32
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100044	0 (19	202 920	10 0125	42202	071/2	001	0.71.00	2 22
109044 109043	8.41 <sup>8</sup> 8.419	282.839 282.290	10.9135	.42283 .33487	.07142 .07128	.001	•07128 •07094	-2.02
109042	8.979	284.499	11.1088	.52982	.07169	.002	.07204	-2.83 -1.53
1.09041	8.980	283.993	11.1974	.52119	.07166	•002	.07187	-2.04
109040	8.978	282.972	11.3715	.42286	.07231	.002	.07224	-2.11
109039	8.976	282.721	11.4122	.33488	.07260	.003	.07246	-1.94
109037	9.805	284.794	17.5496	.63055	.07324	.002	.07353	-1.36
109036	9.807	283.931	11.7756	.52181	.07380	.001	.07393	-1.34
179035	9.807	283.624	11.8198	.42361	.07427	.002	.07435	98
109038	9.810	292.811	11.9374	.33561	.07362	.004	.07354	-2.63
109034	10.923	285.319	12.1720	.74734	.07547	.001	.07570	87
109033	10.921	284.403	12.2834	.62894	• 27605	.001	.07618	84
109032	10.920	283.864	12.3478	.52042	.07664	.001	.07671	<b>~.</b> 50
109031	10.921	283.178	12.4307	.42234	.07654	.001	•07653	-1.22
109030	12.289	285.544	12.6951	.74904	•07935	.002	• 07946	. 87
109029	12.289	284.540	12.7994	•63033	•07921	.001	.07927	06
109528	12.287	283.917	12.8632	.52143	• 97979	.001	.07982	•19
109027	12.290	283.189	12.9383	•42262	•07954	•003	.07954	70
109026	13.880	285.244	13.2081	.74857	• 98220	.001	.08220	• 54
109025	13.880	284.405	13.2748	.62981	.08270	.001	.08270	•62
109024	13.878	283.927	13.3353	.52157	·08205	.001	.08205	66
109023	13.878	283.417	13.3807	.42400	.08237	.002	.08237	64
109022	16.220	285.347	12.7704	•74675 •2061	.08613	.001	.08503	•30
109021	16.221	284.751	13.8167	.62941	.08724	• 302	•08717	1.18
109020 109018	16.219 18.994	283.908 285.809	13.8816 14.2599	.52008 .87461	.08619 .09066	.002	.08616 .09045	<b>→.</b> 58
109017	18.994	284.503	14.3216	.74519	.09093	.001	.09080	•60 •35
109016	18.992	284.278	14.3638	.62753	.09152	.001	.09144	•62
109015	18.992	283.441	14.4206	.51974	.09159	.001	•09157	.19
109014	18.990	283.158	14.4394	.42301	09225	.001	.09225	73
109013	22.401	285.712	14.7805	.87754	.09561	.001	•09535	•41
109012	22.402	284.781	14.8367	.74875	.09604	.001	.09588	• 35
109011	22.400	284.019	14.8823	.62990	.09623	.001	.09515	.13
109010	22.400	283.362	14.9218	.52151	.09659	.001	.09658	. 14
109969	26.798	285.382	15.3302	.87745	.10147	.001	.10121	• 22
109008	26.798	284.685	15.3674	.74858	.10184	.002	•10165	. 25
109007	26.799	287.790	15.4154	.62866	.10211	.001	.10204	•07
109006	26.797	283.084	15.4529	.51910	•10133	.002	•10135	-1.06
109003	30.275	285.931	15.6526	1.01643	.10539	.001	.10503	• 20
109102	30.271	285.119	15.6925	. 97746	•10567	.001	•10542	•10
109001	30.268	284.456	15.7252	.74865	.10621	.001	.10605	•31
109004	30.277	283.602	15.7683	.62948	.10618	•002	•10613	12
		202 070	35 3044	E 2 3 A C	10/07	0.00	10/00	2.0
179705	30.281	283.078	15.7946	•52105	.10627	.002	•10629	29
179705	30.281	283.078	15.7946	.52105		.002		
174705	30.281	283.078	15.7946	•52105	Experimental	.002	Adjusted Thermal	Conductivity
Run Pt.					Experimental Thermal		Adjusted Thermal at a Nominal	Conductivity Deviation
	30.281 Pressura	283.078 Temperature	Density	•52105 Power W/m	Experimental	.002 STAT	Adjusted Thermal	Conductivity Deviation
	Pressura	Temperature	Density	Power	Experimental Thermal Conductivity		Adjusted Thermal at a Nominal Temperature of 304.5K	Conductivity Deviation from Corelation
	Pressura	Temperature	Density	Power	Experimental Thermal Conductivity		Adjusted Thermal at a Nominal Temperature of 304.5K	Conductivity Deviation from Corelation
Run Pt. 110128 110127	Pressura MPa	Temperature K	Density moi/L	Power W/m	Experimental Thermal Conductivity W/m.K	STAT	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K .02582 .02579	Conductivity Deviation from Corelation percent  1.30 1.19
Run Pt.	Pressura MPa -228 -228 -228	Temperature K 306.610 305.749 304.678	Density mol/L .0903 .0907 .0911	Power W/m •17187 •14264 •11582	Experimental Thermal Conductivity W/m.K .02617 .02600 .02566	.003 .003 .003	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K .02582 .02579 .02563	Conductivity Deviation from Corelation percent  1.30 1.19 .55
Run Pt. 110128 110127 110126 110125	Pressura MPa .228 .228 .228 .228	Temperature K 306.610 305.749 304.678 303.765	Density moi/L .0903 .0907 .0911 .0914	Power W/m •17187 •14264 •11582 •09206	Experimental Thermal Conductivity W/m.K .02617 .02600 .02566 .02544	.003 .003 .003	Adjusted Thermal at a Nominal Temperature of 304.5K w/m.K .02582 .02579 .02563 .02555	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27
Run Pt. 110128 110127 110126 110125 110123	Pressura MPa .228 .228 .228 .228 1.158	Temperature K 305.610 305.749 304.678 303.765 306.644	Density moi/L .0903 .0907 .0911 .0914 .4812	Power W/m .17187 .14264 .11582 .09206 .20391	Experimental Thermal Conductivity W/m.K .02617 .02600 .02566 .02544 .02683	.003 .003 .003 .003 .005	Adjusted Thermal at a Nominal Temperature of 304.5K w/m.K .025.82 .025.79 .025.63 .025.55 .026.48	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34
Run Pt. 110128 110127 110126 110125 110123 110122	Pressura MPa -228 -228 -228 -228 -228 -1158	Temperature K  305.610 305.749 304.678 303.755 306.544 305.681	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833	Power W/m .17187 .14264 .11582 .09203 .20391 .17178	Experimental Thermal Conductivity W/m.K .02617 .02600 .02566 .02544 .02683 .02667	.003 .003 .003 .003 .005 .001	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36
Run Pt.  110128 110127 110126 110125 110123 110122 110121	Pressura MPa .228 .228 .228 .228 .228 .1158 1.158	Temperature K  306.610 305.749 304.678 303.755 306.644 305.581 304.712	Density moi/L .0903 .0907 .0914 .4812 .4833 .4851	Power W/m .17187 .14264 .11582 .09206 .20391 .17178 .14233	Experimental Thermal Conductivity W/m.K .02617 .02600 .02566 .02544 .02683 .02667 .02652	STAT  .003 .003 .003 .005 .001 .001	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .36
Run Pt. 110128 110127 110126 110125 110123 110122 110121 110120	Pressura MPa .228 .228 .228 .228 .228 .158 1.158 1.158	Temperature K  306.610 305.749 304.678 303.765 306.644 305.581 304.712 303.743	Density moi/L .0903 .0907 .0911 .0914 .4812 .4851 .4651	Power W/m .17187 .14264 .11582 .09206 .20391 .17178 .14233 .11568	Experimental Thermal Conductivity W/m.K .02617 .02660 .02566 .02544 .02683 .02667 .02652 .02611	STAT .003 .003 .003 .005 .001 .001 .002 .005	Adjusted Thermal at a Nominal Temperature of 304.5K w/m.K .025.82 .025.79 .025.63 .025.55 .026.48 .026.49 .026.49 .026.49 .026.40 .026.22	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .36 .3070
Run Pt.  110128 110127 110126 110125 110123 110122 110121 110120 110124	Pressura MPa .228 .228 .228 .228 .158 1.158 1.158 1.158	Temperature K  3C6.610 305.749 304.678 303.765 306.644 305.581 304.712 303.743 303.250	Density moi/L .0903 .0907 .0911 .4812 .4833 .4651 .4870	Power W/m .17187 .14264 .11582 .09206 .20391 .17178 .14233 .11568	Experimental Thermal Conductivity W/m.K .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630	.003 .003 .003 .005 .001 .001	Adjusted Thermal at a Nominal Temperature of 304.5K w/m.K .025.82 .025.79 .025.53 .025.55 .026.48 .026.49 .026.49 .026.49 .026.49 .026.49 .026.49	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31
Run Pt.  110128 110127 110126 110125 110122 110122 110121 110120 110124 110119	Pressura MPa -228 -228 -228 -228 -228 -1158 1-158 1-158 1-158 1-158 2-272	Temperature K  305.610 305.749 304.678 303.75 306.544 305.681 304.712 303.73 303.250 305.924	Density moi/L .0903 .0907 .0914 .4912 .4833 .4651 .4876 1.0078	Power W/m -17187 -14264 -11582 -09206 -17178 -14233 -11568 -09216 -09216	Experimental Thermal Conductivity W/m.K  .02617 .02600 .02566 .02546 .02683 .02667 .02652 .02611 .02630 .02802	.003 .003 .003 .005 .001 .001 .002 .005	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .36 .3070 .31 .25
Run Pt.  110128 110127 110126 110125 110123 110122 110121 110124 110119 110118	Pressura MPa .228 .228 .228 .228 .1158 1.158 1.158 1.158 1.158 2.272 2.273	Temperature K  306.610 305.749 304.678 303.745 306.644 305.581 304.712 303.743 303.250 305.924 305.015	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4870 .4876 1.0078 1.0124	Power W/m .17187 .14264 .11582 .09206 .20391 .17178 .14233 .11568 .09211 .20397 .17186	Experimental Thermal Conductivity W/m.K .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02802 .02790	.003 .003 .003 .005 .001 .001 .002 .005	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K .02582 .02579 .02563 .02555 .02648 .02649 .02649 .02649 .02780 .02780 .02782	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27
Run Pt.  110128 110127 110126 110125 110122 110121 110120 110124 110119 110118 110117	Pressura MPa -228 -228 -228 -228 -158 1-158 1-158 1-158 1-158 1-272 2-273 2-273	Temperature K  306.610 305.749 304.678 303.765 306.644 305.581 304.712 303.743 303.250 305.915 304.171	Density moi/L .0903 .0907 .0911 .0914 .4812 .4851 .4870 .4876 1.0078 1.0124 1.0166	Power W/m .17187 .14264 .11582 .09206 .20391 .17178 .14233 .11568 .09211 .20397 .17186 .14249	Experimental Thermal Conductivity W/m.K .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02786	STAT  .003 .003 .005 .001 .001 .002 .005 .003 .001	Adjusted Thermal at a Nominal Temperature of 304.5K w/m.K .025.82 .025.79 .025.63 .025.55 .026.48 .026.49 .026.49 .026.49 .026.49 .027.80 .027.80 .027.80 .027.80 .027.80 .027.80 .027.80 .027.80 .027.80 .027.80 .027.80	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .24
Run Pt.  110128 110127 110126 110125 110122 110122 110120 110124 110119 110118 110117 110116	Pressura MPa -228 -229 -228 -228 1-158 1-158 1-158 1-158 2-272 2-273 2-273 2-273	Temperature K  306.610 305.749 304.678 303.765 306.644 305.581 304.712 303.743 303.250 305.924 305.015 304.171 303.232	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0126 1.0215	Power W/m  -17187 -14264 -11582 -09206 -20391 -17178 -14233 -11568 -09211 -20397 -17178 -14249 -11577	Experimental Thermal Conductivity W/m.K  .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02786	STAT  .003 .003 .003 .001 .001 .002 .005 .001 .001 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K .02582 .02579 .02563 .02555 .02648 .02649 .02649 .02649 .02780 .02780 .02780 .02790 .02776	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404
Run Pt.  110128 110127 110126 110125 110122 110121 110120 110124 110119 110118 110117 110116 110115	Pressura MPa .228 .228 .228 .228 .228 .158 1.158 1.158 1.158 2.272 2.273 2.273 2.273 3.213	Temperature K  305.610 305.749 304.678 303.755 306.544 305.681 304.712 303.743 303.250 305.924 305.015 304.171 303.232 306.149	Density moi/L .0903 .0907 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094	Power W/m -17187 -14264 -11582 -09206 -0391 -17178 -14233 -11568 -09211 -20397 -17186 -14249 -11577 -23900	Experimental Thermal Conductivity W/m.K  .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02786 .02757 .02963	STAT  .003 .003 .005 .001 .002 .005 .001 .001 .002 .005	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .36 .3070 .31 .25 .27 .5404 .81
Run Pt.  110128 110127 110126 110125 110122 110121 110124 110119 110118 110117 110116 110115 110115	Pressura MPa .228 .228 .228 .228 .228 .1158 1.158 1.158 1.158 1.158 2.272 2.273 2.273 2.273 3.213	Temperature K  306.610 305.749 304.678 303.745 306.644 305.581 304.712 303.743 303.250 305.924 305.015 304.171 303.232 306.149 305.467	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4870 .4876 1.0078 1.0124 1.0165 1.5094 1.5154	Power W/m .17187 .14264 .11582 .09206 .20391 .17178 .14233 .11568 .09211 .20397 .17186 .14249 .11577 .23900 .204c1	Experimental Thermal Conductivity W/m.K .02617.02600.02566.02544.02683.02667.02652.02611.02630.02862.02790.02786.02757.02963.02951	STAT  .003 .003 .005 .001 .002 .005 .001 .002 .002 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K  .02582 .02579 .02563 .02555 .02648 .02649 .02649 .02649 .02780 .02780 .02780 .02780 .02790 .02770	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .68
Run Pt.  110128 110127 110126 110125 110122 110122 110120 110124 110119 110118 110117 110116 110115 110113	Pressura MPa .228 .228 .228 .228 .158 1.158 1.158 1.158 1.273 2.273 2.273 2.273 2.273 3.213 3.213	Temperature  K  306.610 305.749 304.678 303.755 306.5461 304.712 303.743 303.250 305.924 305.915 304.171 303.232 306.149 305.467 306.467	Density moi/L .0903 .0907 .0911 .9914 .4812 .4851 .4870 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5230	Power W/m  .17187 .14264 .11582 .09206 .20391 .17178 .14233 .11568 .09211 .20397 .17186 .14249 .11577 .23900 .204C1 .17208	Experimental Thermal Conductivity W/m.K .02617 .02600 .02566 .02544 .02687 .02652 .02611 .02630 .02802 .02790 .02786 .02757 .02963 .02951 .02949	STAT  .003 .003 .005 .001 .002 .005 .003 .001 .002 .002 .002 .001 .001	Adjusted Thermal at a Nominal Temperature of 304.5K w/m.K  .025.82 .025.79 .025.63 .025.55 .026.48 .026.49 .026.49 .026.49 .026.49 .027.80 .029.37 .029.37	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .81 .68 .94
Run Pt.  110128 110127 110126 110125 110122 110121 110120 110124 110119 110118 110117 110116 110115 110115	Pressura MPa	Temperature K  3C6.610 305.749 304.678 303.765 306.644 305.581 304.712 303.743 3C3.250 305.924 305.015 304.171 303.232 306.148 305.467 304.614	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0165 1.0215 1.5094 1.5154 1.5230 1.5285	Power W/m  17187 14264 11582 09206 17178 14233 11568 120397 17178 614249 11577 23900 204C1 17208 14284	Experimental Thermal Conductivity W/m.K  .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02786 .02757 .02963 .02963 .02949 .02932	STAT  .003 .003 .003 .001 .001 .002 .005 .001 .001 .002 .005 .001 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .36 .3070 .31 .25 .27 .5404 .81 .68 .94 .61
Run Pt.  110128 110127 110126 110125 110122 110121 110124 110119 110118 110117 110116 110115 110114 110113	Pressura MPa .228 .228 .228 .228 .228 .1158 1.158 1.158 1.158 2.272 2.273 2.273 2.273 2.273 3.213 3.213 3.213 3.213	Temperature K  306.610 305.749 304.678 303.745 306.644 305.881 304.712 303.743 303.250 305.024 305.015 304.171 303.232 306.149 305.467 304.67	Density moi/L .0903 .0907 .0911 .0914 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5286 1.5286	Power W/m .17187 .14264 .11582 .09206 .20391 .17178 .14233 .11568 .09211 .20397 .17186 .14249 .11577 .23900 .204C1 .17208 .14284 .11577	Experimental Thermal Conductivity W/m.K  .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02786 .02757 .02963 .02951 .02942 .02904	STAT  .003 .003 .005 .001 .002 .005 .001 .001 .002 .005 .001 .002 .002 .001 .002	Adjusted Thermal at a Nominal Temperature of 304.5K w/m.K  .025.82 .025.79 .025.63 .025.55 .026.48 .026.49 .026.49 .026.49 .026.49 .027.80 .029.37 .029.37	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .81 .68 .94
Run Pt.  110128 110127 110126 110125 110122 110121 110126 110121 110126 110117 110118 110117 110116 110115 110114 110113 110112 110111	Pressura MPa .228 .228 .228 .228 .1158 1.158 1.158 1.158 2.272 2.273 2.273 2.273 2.273 3.213 3.213 3.213 3.213 3.213	Temperature K  306.610 305.749 304.678 303.745 306.644 305.581 304.712 303.743 303.250 305.924 305.915 304.171 303.232 306.149 305.467 304.614 303.494 303.493	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4870 .10078 1.0165 1.0215 1.5094 1.5154 1.5230 1.5285 1.5364 1.9761	Power W/m  17187 14264 11582 09206 17178 14233 11568 120397 17178 614249 11577 23900 204C1 17208 14284	Experimental Thermal Conductivity W/m.K  .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02862 .02790 .02786 .02757 .02963 .02951 .02949 .02949 .02932 .02904 .03106	STAT  .003 .003 .005 .001 .002 .005 .001 .002 .002 .001 .002 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .36 .3070 .31 .25 .27 .5404 .81 .68 .94 .6102
Run Pt.  110128 110127 110126 110125 110122 110121 110124 110119 110118 110117 110116 110115 110114 110113	Pressura MPa .228 .228 .228 .228 .228 .1158 1.158 1.158 1.158 2.272 2.273 2.273 2.273 2.273 3.213 3.213 3.213 3.213	Temperature K  306.610 305.749 304.678 303.745 306.644 305.881 304.712 303.743 303.250 305.024 305.015 304.171 303.232 306.149 305.467 304.67	Density moi/L .0903 .0907 .0911 .0914 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5286 1.5286	Power W/m .17187 .14264 .11582 .09206 .20391 .17178 .14233 .11568 .09211 .20397 .17186 .14249 .11577 .23900 .204C1 .17208 .14284 .11577 .23874	Experimental Thermal Conductivity W/m.K  .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02786 .02757 .02963 .02951 .02942 .02904	STAT  .003 .003 .005 .001 .002 .005 .001 .001 .002 .005 .001 .002 .002 .001 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K  .02582 .02579 .02563 .02555 .02648 .02649 .02649 .02649 .02780 .02780 .02782 .02790 .02770 .02939 .02937 .02937 .02937	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .61 .68 .94 .6102 .96
Run Pt.  110128 110127 110126 110125 110123 110122 110121 110126 110117 110116 110115 110114 110113 110112 110111 110110 110119	Pressura MPa .228 .228 .228 .228 .228 .158 1.158 1.158 1.158 2.272 2.273 2.273 2.273 2.273 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213	Temperature K  306.610 305.749 304.678 303.765 306.644 305.681 304.712 303.743 303.250 305.924 305.015 304.171 303.232 306.149 305.467 304.614 303.499 303.133 305.480 304.827	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5236 1.5285 1.5364 1.9761 1.9754 2.0043	Power W/m .17187 .14264 .11582 .09206 .2031 .17178 .14233 .11568 .09211 .20397 .17186 .14249 .11577 .23900 .204C1 .17208 .14284 .11577 .23874 .20365 .17157 .14226	Experimental Thermal Conductivity W/m·K  .02617 .02600 .02566 .02544 .02687 .02652 .02611 .02630 .02802 .02790 .02786 .02757 .02949 .02949 .02949 .02932 .02904 .03106 .03095	STAT  .003 .003 .003 .005 .001 .002 .005 .001 .001 .002 .002 .001 .001 .002 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .81 .68 .94 .6102 .96 .78 .31 .83
Run Pt.  110128 110127 110126 110125 110122 110121 110124 110119 110118 110117 110116 110115 110111 110110 110109 110109 110109 110106	Pressura MPa .228 .228 .228 .228 .228 .1158 1.158 1.158 1.158 2.272 2.273 2.273 2.273 2.273 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 4.2	Temperature K  306.610 305.749 304.678 303.745 306.644 305.681 304.712 303.743 303.250 305.924 305.915 304.171 303.232 306.149 305.467 304.614 303.994 303.123 305.480 304.827 304.081 303.443	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5230 1.5286 1.9761 1.9750 1.9950 1.9954	Power W/m .17187 .14264 .11582 .09206 .20317 .14233 .11568 .09211 .20397 .17186 .14249 .11577 .23870 .204C1 .17208 .14284 .11577 .23874 .20365 .17157	Experimental Thermal Conductivity W/m·K  .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02862 .02790 .02786 .02757 .02963 .02951 .02949 .02949 .02932 .02904 .03106 .03095 .03076 .03085 .03306	STAT  .003 .003 .005 .001 .002 .005 .001 .002 .002 .001 .002 .001 .001 .002 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K  .02582 .02579 .02563 .02555 .02648 .02649 .02649 .02649 .02780 .02780 .02782 .02790 .02787 .02939 .02937 .02937 .02937 .02937 .02939 .02923 .03093 .03090 .03098	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .61 .68 .94 .6102 .96 .78 .31 .83 1.63
Run Pt.  110128 110127 110126 110123 110122 110121 110124 110119 110118 110117 110116 110115 110111 110110 110101 110108 110107 110106 110105	Pressura MPa .228 .228 .228 .228 .228 .158 1.158 1.158 1.158 2.272 2.273 2.273 2.273 3.213 3.213 3.213 3.213 3.213 3.971 3.971 3.971 3.971 4.599 4.700	Temperature  K  3C6.610 305.749 304.678 303.765 306.644 305.581 304.712 303.743 3C3.250 305.924 305.015 304.171 303.232 306.149 305.467 304.614 303.999 303.123 305.480 304.877 304.081 305.483 305.480	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0124 1.5154 1.5230 1.5285 1.5364 1.9751 2.0043 2.6844 2.983	Power W/m  17187 14264 11582 09206 17178 14233 11568 14239 11577 17186 14249 11577 23900 20401 117208 14284 11577 23874 20365 17157 14226 23863	Experimental Thermal Conductivity W/m.K  .02617.02600.02566.02544.02667.02652.02611.02630.02802.02790.02786.02757.02963.02951.02949.02932.02904.03106.03095.03074.03085.03398	STAT  .003 .003 .003 .001 .001 .002 .003 .001 .002 .002 .001 .002 .001 .002 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .6102 .96 .78 .31 .83 1.63 1.46
Run Pt.  110128 110127 110126 110125 110122 110121 110120 110124 110119 110118 110117 110116 110115 110111 110110 110109 110108 110107 110106 110106 110106	Pressura MPa	Temperature K  3C6.610 305.749 304.678 303.755 306.644 305.681 304.712 303.743 3C3.250 305.924 305.015 304.171 303.232 306.149 305.467 304.614 305.467 304.614 303.999 303.123 305.4827 304.081 305.483 305.483 305.483	Density mol/L .0903 .0907 .0911 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5764 1.9761 1.9754 2.0043 2.4844 2.4983 2.5104	Power W/m  17187 14264 11582 09206 17178 14233 11568 14239 17178 14249 11577 23900 204C1 17208 14284 11577 23874 20365 17157 14226 23863 20390	Experimental Thermal Conductivity W/m.K  .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02786 .02757 .02963 .02951 .02949 .02932 .02904 .03106 .03095 .03074 .03085 .03276	STAT  .003 .003 .003 .001 .001 .002 .005 .001 .001 .002 .002 .001 .001 .002 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K  .02582 .02579 .02563 .02555 .02648 .02649 .02649 .02649 .02780 .02780 .02776 .02939 .02937 .02947 .02939 .02937 .02947 .02939 .03090 .03079 .03090 .03098 .03298	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .36 .3070 .31 .25 .27 .5404 .6102 .96 .78 .31 .83 1.63 1.63 1.46 .67
Run Pt.  110128 110127 110126 110125 110122 110121 110124 110118 110117 110116 110115 110111 110110 110108 110107 110108 110107 1101065 110107 110104	Pressura MPa .228 .228 .228 .228 .228 .158 1.158 1.158 2.272 2.273 2.273 2.273 2.273 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 4.214 4.599 4.700 4.700	Temperature K  306.610 305.749 304.678 303.745 306.644 305.681 304.712 303.743 303.250 305.924 305.015 304.171 303.232 306.149 305.467 304.614 303.999 303.133 305.480 304.827 304.611 303.998	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.025 1.5094 1.5154 1.9761 1.9754 2.0043 2.4844 2.4983	Power W/m  17187 14264 11582 .09206 .2031 17178 .14233 .11568 .09211 .20397 .17186 .14249 .11577 .23874 .20367 .17157 .14226 .23863 .20390 .17184	Experimental Thermal Conductivity W/m.K  .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02786 .02757 .02963 .02951 .02949 .03106 .03095 .03074 .03085 .03306 .03298 .03276 .03293	STAT  .003 .003 .003 .005 .001 .002 .005 .001 .002 .002 .001 .001 .002 .002 .001 .001	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K  .02582 .02579 .02563 .02555 .02648 .02649 .02649 .02649 .02780 .02937 .02947 .02947 .02939 .03098 .03090 .03079 .03098 .03298 .03282 .03308	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .6102 .96 .78 .31 .83 1.63 1.46 .87
Run Pt.  110128 110127 110126 110125 110122 110121 110124 110118 110117 110116 110115 110114 110110 110100 110108 110107 110106 110106 110107 110108 110107 110108	Pressura MPa .228 .228 .228 .228 .228 .1158 1.158 1.158 1.158 2.272 2.273 2.273 2.273 2.273 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 4.700 4.700 4.700 4.700 5.217	Temperature K  306.610 305.749 304.678 303.745 306.644 305.581 304.712 303.743 303.250 305.924 305.915 304.171 303.232 306.149 303.467 304.614 303.9480 304.827 304.827 304.827 304.827 304.827 304.827 304.827 304.827 304.827	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5230 1.9850 1.9950 1.9950 2.4844 2.4983 2.5104 2.5260 2.8791	Power W/m  17187 14264 11582 09206 20391 14233 11568 09211 20397 17186 14249 11577 23874 20365 17186 23863 20390 17184 127487	Experimental Thermal Conductivity W/m.K  .02617.02600.02566.02544.02683.02667.02652.02611.02630.02862.02790.02786.02757.02963.02951.02949.03106.03095.03076.03298.03276.03298.03276.03293.03480	STAT  .003 .003 .005 .001 .002 .005 .001 .002 .002 .001 .001 .002 .002 .001 .001	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K  .02582 .02579 .02563 .02555 .02648 .02649 .02649 .02649 .02780 .02780 .02782 .02790 .02787 .02939 .02937 .02937 .02937 .02939 .02937 .02939 .02937 .02939 .02937 .02939 .02937 .02939 .02937 .02939 .02937 .02939 .02938 .03090 .03098 .03098 .03298 .03298 .03298 .03298	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .6102 .96 .78 .31 .83 1.63 1.46 .67 1.45 2.00
Run Pt.  110128 110127 110126 110123 110122 110121 110124 110119 110116 110115 110111 110110 110119 110110 110110 110106 110107 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106	Pressura MPa	Temperature  K  3C6.610 305.749 304.678 303.765 306.644 305.581 304.712 303.743 3C3.250 305.924 305.015 304.171 303.232 306.148 305.4614 305.4614 305.4614 305.4614 305.4614 305.4614 305.4614 305.4651 305.480 304.827 304.081 3C3.443 3C5.158 304.758	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0125 1.5094 1.5154 1.5286 1.5286 1.5286 1.5286 1.9761 1.9954 2.0043 2.4884 2.4983 2.5104 2.78990	Power W/m  17187 14264 11582 09206 17178 14233 11568 14237 17186 1427 17186 14284 11577 23874 20365 17157 14226 23863 20360 17184 14248 127487	Experimental Thermal Conductivity W/m.K  .02617.02600.02566.02544.02667.02652.02611.02630.02802.02790.02786.02757.02963.02951.02949.02932.02904.03106.03095.033064.03095.033064.03298.03276.03298.03276.03293.03480.03460	STAT  .003 .003 .003 .001 .001 .002 .003 .001 .001 .002 .001 .001 .002 .001 .001	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K  .02582 .02579 .02563 .02555 .02648 .02649 .02649 .02622 .02649 .02780 .02780 .02776 .02939 .02776 .02937 .03090 .03079 .03090 .03079 .03090 .03079 .03090 .03079 .03090 .03293 .03293 .03293 .03293 .03298	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .81 .68 .94 .6102 .96 .78 .31 .83 1.63 1.46 .87 1.46 .87
Run Pt.  110128 110127 110126 110125 110122 110121 110124 110119 110118 110117 110116 110115 110111 110110 110108 110107 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106 110106	Pressura MPa	Temperature  K  306.610 305.749 304.678 303.745 306.544 305.681 304.712 303.743 303.250 305.924 305.015 304.171 303.232 306.149 305.467 304.614 303.939 303.123 305.480 304.827 304.511 303.935 304.511 303.935 304.758 304.758	Density moi/L  .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5154 1.9761 1.9954 2.0043 2.4844 2.4983 2.5104 2.5260 2.8791 2.8990 2.9174	Power W/m  17187 14264 11582 .09206 20391 17178 .14233 .11568 .09216 .10397 .17186 .14249 .11577 .23900 .204C1 .17208 .14284 .11577 .23874 .20345 .17157 .14226 .23853 .20390 .17184 .24248 .27487 .23750 .202P2	Experimental Thermal Conductivity W/m.K  .02617 .02600 .02566 .02546 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02757 .02963 .02951 .02949 .02932 .02904 .03106 .03095 .03074 .03085 .03074 .03085 .03276 .03298 .03276 .03293 .03480 .03460 .03440	STAT  .003 .003 .005 .001 .002 .005 .001 .001 .002 .002 .001 .001 .002 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K  .02582 .02579 .02563 .02555 .02648 .02649 .02649 .02649 .02780 .02780 .02780 .02776 .02939 .02937 .02947 .02939 .02937 .02947 .02939 .03098 .03098 .03098 .03298 .03298 .03298 .03298 .03282 .03308 .03469 .03457	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .36 .3070 .31 .25 .27 .5404 .81 .68 .94 .6102 .96 .78 .31 .83 1.63 1.63 1.46 .87 1.45 2.00 1.41 .81
Run Pt.  110128 110127 110126 110125 110122 110121 110124 110119 110118 110117 110118 110117 110118 110117 110118 110117 110118 110117 110118 110111 110110 110108 110107 110108 110107 110108 110107 110108 110109	Pressura MPa .228 .228 .228 .228 .228 .158 1.158 1.158 1.158 2.272 2.273 2.273 2.273 3.21	Temperature  K  306.610 305.749 304.678 303.745 306.644 305.681 304.712 303.743 303.250 305.924 305.015 304.171 303.232 306.149 305.467 304.614 303.293 305.480 304.614 303.293 305.480 304.614 303.293 305.480 304.614 303.293 305.480 304.614	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.7230 1.5285 1.5364 1.9761 1.9754 2.0043 2.4844 2.4983 2.5104 2.7260 2.8791 2.8990 2.9174 2.9315	Power W/m  17187 14264 11582 .09206 .2031 17178 .14233 .11568 .09217 .17186 .14249 .11577 .23900 .204C1 .17208 .14284 .11577 .23874 .20365 .17187 .23874 .20360 .17184 .27487 .23750 .202P2 .17106	Experimental Thermal Conductivity W/m.K  .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02786 .02757 .02963 .02951 .02949 .03106 .03085 .03085 .03296 .03296 .03296 .03296 .03296 .03296 .03296 .03296 .03296 .03296 .03296 .03296 .03460 .03466	STAT  .003 .003 .005 .001 .002 .005 .001 .002 .002 .001 .001 .002 .002 .001 .001	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K  .02582 .02579 .02563 .02555 .02648 .02649 .02649 .02649 .02780 .02790 .02776 .02939 .02937 .02947 .02947 .02947 .02947 .02947 .02947 .02938 .03080 .03080 .03459 .03457 .03444	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .6102 .96 .78 .31 .83 1.63 1.46 .67 1.45 2.00 1.41 .81
Run Pt.  110128 110127 110126 110125 110122 110121 110124 110118 110117 110116 110115 110114 110110 110100 110108 110107 110106 110107 110108 110107 110108 1101099 110098	Pressura MPa .228 .228 .228 .228 .228 .1158 1.158 1.158 1.158 2.272 2.273 2.273 2.273 2.273 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 4.699 4.700 4.700 4.700 4.700 5.217 5.217 5.217 5.753	Temperature  K  3C6.610 305.749 304.678 303.765 306.644 305.581 304.712 303.743 303.250 305.924 305.015 304.171 303.232 306.149 305.467 304.614 303.999 305.480 304.877 304.081 303.433 305.480 304.877 304.081 303.935 304.758 304.758 304.758 304.758 304.758 304.758 304.758	Density moi/L .0903 .0907 .0911 .9914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5236 1.5285 1.5364 1.9761 1.9850 1.9954 2.0043 2.4844 2.5260 2.8791 2.8990 2.9174 2.9315 3.3393	Power W/m  17187 14264 11582 09206 17178 14233 11568 09211 20397 17178 614249 11577 238900 20401 17208 14284 11577 23874 20365 17157 14226 23853 20390 17184 14248 27487 23750 20202 17106	Experimental Thermal Conductivity W/m.K  .02617.02600.02566.02544.02683.02667.02652.02611.02630.02862.02790.02786.02757.02963.02951.02949.03106.03095.03076.03298.03276.03298.03276.03293.03480.03466.03699	STAT  .003 .003 .001 .001 .002 .003 .001 .002 .001 .002 .001 .001 .002 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .36 .36 .3070 .31 .25 .27 .5404 .6102 .96 .78 .31 .83 1.63 1.46 .87 1.45 2.00 1.41 .81 1.53 2.43
Run Pt.  110128 110127 110126 110125 110122 110121 110120 110124 110119 110116 110115 110111 110110 110110 110110 110108 110107 110108 110107 110108 110107 110108 110109 110109 110109 110109 110109 110109 110109	Pressura MPa	Temperature  K  3C6.610 305.749 304.678 303.765 306.644 305.581 304.712 303.743 3C3.250 305.924 305.015 304.171 303.232 306.148 305.467 304.614 305.467 304.614 305.467 304.614 305.467 304.511 303.935 305.483 305.483 305.485	Density moi/L .0903 .0907 .0911 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5286 1.5286 1.5286 1.5286 1.5286 1.9761 1.9954 2.0043 2.4884 2.5260 2.8791 2.4890 2.9174 2.9315 3.3393 3.3665	Power W/m  17187 14264 11582 09206 17178 14233 11568 14239 17178 14239 17178 14249 14249 11577 23900 204C1 17286 14284 11577 23874 20345 17157 14263 20345 17157 142487 23750 20282 17166 27544	Experimental Thermal Conductivity W/m.K  .02617.02600.02566.02544.02667.02652.02611.02630.02862.02790.02786.02757.02963.02978.03106.03095.033074.03085.033074.03085.033298.03276.03298.03276.03298.032999.036999.036999.036999.0000000000	STAT  .003 .003 .003 .001 .001 .002 .003 .001 .001 .002 .001 .001 .002 .002 .001 .001	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K  .02582 .02579 .02563 .02555 .02648 .02649 .02649 .02649 .02780 .02780 .02776 .02939 .02776 .02937 .02937 .02937 .02937 .02937 .02938 .03090 .03079 .03098 .03090 .03079 .03298 .03298 .03298 .03298 .03298 .03457 .03457 .03459 .03699	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .81 .68 .94 .6102 .96 .78 .31 .83 1.63 1.46 .87 1.45 2.00 1.41 .81 1.53 2.43 2.11
Run Pt.  110128 110127 110126 110125 110122 110121 110128 110117 110116 110115 110111 110110 110108 110107 110106 110105 110107 110106 110107 110106 110107 110106 110107 110106 110107 110106 110107 110106 110107 110106	Pressura MPa	Temperature  K  306.610 305.749 304.678 303.755 306.644 305.681 304.712 303.723 305.924 305.915 304.171 303.232 306.148 305.467 304.614 303.929 305.480 304.827 304.614 305.158 304.758 304.758 304.758 304.758 304.758 304.758 304.758 304.758	Density moi/L .0903 .0907 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5761 1.9751 2.4844 2.4983 2.5104 2.5260 2.8791 2.8990 2.9174 2.9315 3.3365 3.3886	Power W/m  17187 14264 11582 .09206 .20301 .17178 .14233 .11568 .09216 .14249 .11577 .23900 .204C1 .17208 .14284 .11577 .23874 .20365 .14226 .23863 .20390 .17184 .27487 .23750 .202P2 .17106 .31574 .23777	Experimental Thermal Conductivity W/m.K  .02617 .02600 .02566 .02546 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02757 .02963 .02951 .02949 .02932 .02904 .03106 .03095 .03074 .03095 .03074 .03095 .03298 .03276 .03298 .03276 .03298 .03460 .03440 .03466 .03699 .03697	STAT  .003 .003 .005 .001 .002 .005 .001 .001 .002 .002 .001 .001 .002 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .81 .68 .94 .6102 .96 .78 .31 .83 1.63 1.63 1.646 .87 1.45 2.00 1.41 .81 1.53 2.43 2.11 2.06
Run Pt.  110128 110127 110126 110125 110122 110121 110124 110119 110118 110117 110116 110115 110111 110110 110110 110108 110107 110108 110107 110108 110107 110108 110109 110109 110109 110109 110109 110109 110099 110098 110095	Pressura MPa .228 .228 .228 .228 .228 .228 .158 1.158 1.158 2.272 2.273 2.273 2.273 2.273 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 5.217 5.217 5.217 5.217 5.217 5.753 5.753 5.753	Temperature  K  306.610 305.749 304.678 303.745 306.644 305.681 304.712 303.743 303.250 305.924 305.015 304.171 303.232 306.149 305.467 304.614 303.232 306.149 305.480 304.827 304.611 303.938 305.480 304.827 304.981 305.486 304.981 305.486 304.981 305.486 304.981 305.486 304.981 305.486 304.981 305.486 304.981 305.486 304.981 305.486 304.981 305.486 304.981	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5286 1.5286 1.9761 1.9751 2.0043 2.4844 2.4983 2.5104 2.4983 2.5104 2.4983 3.3665 3.4193	Power W/m  17187 14264 11582 .09206 .2031 17178 .14233 .11568 .09217 .17186 .14249 .11577 .23900 .204C1 .17208 .14249 .11577 .23874 .20345 .17184 .27487 .23750 .20292 .17106 .27544 .20293	Experimental Thermal Conductivity W/m·K  .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02786 .02757 .02963 .02951 .02949 .02982 .02904 .03106 .03075 .03076 .03076 .03076 .03293 .03480 .03466 .03697 .03676	STAT  .003 .003 .005 .001 .002 .005 .001 .002 .002 .001 .001 .002 .002 .001 .001	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .6102 .96 .78 .31 .83 1.63 1.46 .67 1.45 2.00 1.41 1.53 2.43 2.11 2.06 1.32
Run Pt.  110128 110127 110126 110123 110122 110121 110129 110118 110117 110116 110113 110112 710111 110110 110108 110107 110108 110107 110108 110107 110108 110109 110108 110109 110108 110109 110108 110109 110109 110109 110109 110109	Pressura MPa .228 .228 .228 .228 .228 .228 .228 .228 .2158 1.158 1.158 1.158 2.272 2.273 2.273 2.273 3.217 3.217 3.753	Temperature  K  3C6.610 305.749 304.678 303.765 306.644 305.581 304.712 303.743 303.250 305.924 305.015 304.171 303.232 306.149 305.4614 303.999 305.480 304.877 304.081 303.483 305.486 304.758 304.758 304.758 304.758 304.758 304.758 303.293 305.486 303.483 305.589 304.280	Density moi/L .0903 .0907 .0911 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5286	Power W/m  17187 14264 11582 09206 17178 14233 11568 19211 20397 17179 23900 20401 1728 14284 11577 23874 20365 17157 14226 23863 20390 17184 14248 27487 23750 202P2 171576 27544 23777 20293 31660	Experimental Thermal Conductivity W/m.K  .02617.02600.02566.02544.02667.02667.02667.02670.02786.02786.02757.02963.02951.02949.02932.02904.03106.03095.03074.03095.03276.03298.03276.03298.03276.03298.03276.03298.03276.03298.03276.03298.03460.03460.03466.03699.03676.03697.03676.035460.03697.03676.035460.03699.03676.035	STAT  .003 .003 .003 .001 .001 .002 .003 .001 .001 .002 .002 .001 .001 .002 .002	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .6102 .96 .94 .6102 .96 .78 .31 .83 1.63 1.46 .87 1.45 2.00 1.41 .81 1.53 2.43 2.11 2.06 1.32 3.09
Run Pt.  110128 110127 110126 110125 110122 110121 110124 110119 110118 110117 110116 110115 110111 110110 110110 110108 110107 110108 110107 110108 110107 110108 110109 110109 110109 110109 110109 110109 110099 110098 110095	Pressura MPa .228 .228 .228 .228 .228 .228 .158 1.158 1.158 2.272 2.273 2.273 2.273 2.273 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 3.213 5.217 5.217 5.217 5.217 5.217 5.753 5.753 5.753	Temperature  K  306.610 305.749 304.678 303.745 306.644 305.681 304.712 303.743 303.250 305.924 305.015 304.171 303.232 306.149 305.467 304.614 303.232 306.149 305.480 304.827 304.611 303.938 305.480 304.827 304.981 305.486 304.981 305.486 304.981 305.486 304.981 305.486 304.981 305.486 304.981 305.486 304.981 305.486 304.981 305.486 304.981 305.486 304.981	Density moi/L .0903 .0907 .0911 .0914 .4812 .4833 .4851 .4876 1.0078 1.0124 1.0166 1.0215 1.5094 1.5154 1.5286 1.5286 1.9761 1.9751 2.0043 2.4844 2.4983 2.5104 2.4983 2.5104 2.4983 3.3665 3.4193	Power W/m  17187 14264 11582 .09206 .2031 17178 .14233 .11568 .09217 .17186 .14249 .11577 .23900 .204C1 .17208 .14249 .11577 .23874 .20345 .17184 .27487 .23750 .20292 .17106 .27544 .20293	Experimental Thermal Conductivity W/m·K  .02617 .02600 .02566 .02544 .02683 .02667 .02652 .02611 .02630 .02802 .02790 .02786 .02757 .02963 .02951 .02949 .02982 .02904 .03106 .03075 .03076 .03076 .03076 .03293 .03480 .03466 .03697 .03676	STAT  .003 .003 .005 .001 .002 .005 .001 .002 .002 .001 .001 .002 .002 .001 .001	Adjusted Thermal at a Nominal Temperature of 304.5K W/m.K	Conductivity Deviation from Corelation percent  1.30 1.19 .55 .27 .34 .36 .3070 .31 .25 .27 .5404 .6102 .96 .78 .31 .83 1.63 1.46 .67 1.45 2.00 1.41 1.53 2.43 2.11 2.06 1.32

110501	6 211	302 453	2 0060	.20279	.03914	.002	.03921	1.53
110091	5.211	303.453	3.8869					
110090	5.710	305.513	4.3208	.35857	•04235	.003	.04230	3.45
110289	6.700	304.914	4.3585	.31542	.04227	.003	.04225	2.86
110038	5.709	304.173	4.4068	.27534	.04210	.002	.04211	1.93
110087	4.709	307.645	4.4429	.23771	.04227	.002	.04230	1.91
							.04494	3.15
110085	7.103	305.163	4.813C	.35955	.04496	•003		
110094	7.103	304.474	4.8672	.31610	.34482	.002	.044 P2	2.21
110083		304.295	4.8800	.27618	.04515	.003	.94515	2.77
	7.101							
1100º6	7.104	303.693	4.9338	.23887	.04495	.002	.04495	1.69
110082	7.391	305.047	5.1887	.40536	.04586	.034	.04585	2.55
110081	7.391	304.595	5.2304	.35967	.04639	.002	.04639	1.09
110080	7.390	303.806	5.3055	.31530	.04663	.002	.04563	. 67
			5.3462	.27555	. 24665	.002	.04655	.20
110079	7.391	303.405						
110078	7.694	305.298	5.5570	.45407	•04°26	.005	.04927	2.93
110077	7.594	304.910	5.5076	.47505	.04941	.003	.04942	2.75
110075	7.493	304.395	5.5609	.36005	.04886	.004	•04886	1.01
110075	7.693	303.980	5.7065	.31710	.04910	.002	. 04969	. 95
110074	7.938	305.177	5.9125	.45473	.05100	.004	.05102	2.3t
110073	7.937	304.719	5.9643	.40539	.05073	.003	.05074	1.24
110072	7.935	304.147	6.0311	.36017	.05057	.002	.05056	.13
							.05059	
110071	7.936	303.633	6.0927	.31679	.05061	.003		52
110070	8.355	304.932	6.5247	. 45467	.05397	.004	.05399	1.33
110069	8.357	304.57A	6.5720	.40657	.05394	.003	.05395	• 75
110058	8.355	303.819	5.6738	.35971	.05396	• 0.05	.05392	32
110067	8.355	303.418	6.7305	.31655	.05390	.002	.05384	-1.05
	2.581	304.671	7.0111	.45427	.05603	.004	.05604	. 25
110066								
110065	8.680	304.113	7.0912	.40571	.05609	.002	.05607	45
110064	8.680	303.713	7.1501	.35981	.05606	.002	.05501	-1.10
110043	€.581	302.995	7.2595	.31654	.05611	.002	.05600	-2.11
110051	9.054	304.524	7.5369	.45384	.05825	.004	.05925	53
110060	9.053	303.859	7,6378	.4052?	.05777	• 0 0 2	.05772	-2.29
110059	9.052	303.339	7.7169	.35911	.05789	.002	•057°0	-2.50
110062	9.054	303.247	7.7338	.31711	.05842	.002	.05832	-2.01
						.004		-2.99
110057	9.423	304.787	7.9587	•50578	.05 F 7 9		.05881	
110056	9.423	304.412	8.0252	.45478	.06025	.004	.06925	97
110055	9.422	303.563	8.1421	.40509	.05986	.003	.0598J	-2.58
110053	9.423	303.599	8.1526	.36041	.06031	.051	.06324	-1.90
110054	9.882	305.127	8.4554	.55031	.05204	.003	.06209	65
110053	9.892	304.711	8.5187	.50615	.06217	.302	.06219	-1.13
110052	9.881	304.096	8.5119	. 45453	.06207	.002	.06204	-1.95
110051	9.881	303.551	8.5954	.40483	.06197	.002	•C6190	-2.70
		_						
110050	10.445	305.031	9.0599	.56058	.05379	.002	.06382	-1.68
110049	10.444	304.466	9.1371	.50596	.06431	.003	.06431	-1.32
110048	10.445	303.993	9.2036	.45417	.06398	•335	.04395	-2.27
110047	10.445	303.57º	9.2691	.40532	.06442	.002	.06437	-1.92
110046	10.962	304.935	7.5353	.55 P17	.06606	.002	.06509	61
110045	10.951	304.416	9.6067	.50388	.05522	.002	.05522	-2.29
110044	10.961	303.990	0.5681	.45255	.06608	• 00.5	. 0.65.05	-1.29
	10.950	303.546	9.7281	.40411	.06592	.001	• Q6 F R B	-1.86
110043								
110041	11.445	304.968	9.9131	.55948	.05707	.002	.06709	91
110040	11.445	304.501	9.9515	.50533	.26710	.003	.06710	-1.11
110039	11.445	304.436	9.9836	.45439	.06784	.002	•06784	12
110042	11.445	303.763	10.0721	.40540	.06733	•303	.06731	-1.32
110038	12.580	305.151	10.6290	.67583	.07019	.001	.07019	. 21
110037	12.579	304.950	10.5510	•41587	.07021	.002	.07021	•13
110036	12.579	304.685	10.6830	.55992	.06980	.002	.06980	61
110035	12.579	303.877	10.7769	. 45422	.07003	.001	.07003	74
110033	13.754	305.298	11.2149	.67558	.07299	.008	.07295	1.04
110034	13.766	304.711	11.2760	.61631	.07255	.002	.07254	.12
110032	13.762	304.378	11.3088	.55959	.07333	.002	.07333	1.02
110031	13.761	303.555	11.3928	• 45402	.07268	.002	.07272	31
110030	14.908	305.413	11.6753	.67807	.07490	.001	.07435	.88
110029								
	14.894	304.374	11.7675	.56096	.07630	.002	.07631	2.20
110025	14.855	303.942	11.7976	. 45452	.07317	.009	.07320	-2.14
110024	16.325	305.703	12.1340	.57461	.07365	.013	.07355	-3.09
110023	16.327	305.036	12.1911	.61523	.07465	.008	.07461	-2.94
110021	15.326	303.535	12.3173	.45338	.07477	.335	.07485	-3.55
110020	18.149	306.737	12.5671		.07715	.009		-2.59
				.80344			.07693	
110019	18.150	305.291	12.6772	.67585	.08087	.002	.08079	1.25
110018	18.149	304.327	12.7502	.55954	.08099	.002	.02100	1.03
110017	18.150	303.685	12.7991	• 45365	.07769	.006	.07777	-3.50
110015	20.550	306.117	13.1834	.80478	.08485	.003	.08465	1.70
110015	20.649	305.041	13.2550	.57520	.08504	.001	.08497	1.42
110014	20.547	304.381	13.3000	.55950	.08349	.004	.08350	72
110013	20.647	303.592	13.3532	.45417	.08468	.005	.08479	.33
110012	23.409	305.964						71
			13.7008	.80331	.05729	.003	.09709	
110011	23.410	304.716	13.7770	.67617	.08792	.003	.08759	15
110010	23.410	303.859	13.8283	.55899	. 0864C	.004	.08549	-2.30
110009	23.414	303.320	13.8623	.45397	.08971	.001	.08937	1.22
110008	26.007	305.650	14.1197	.80410	.09310	.001	.09293	1.94
110007	25.002	304.822						
			14.1645	.67683	.09157	.005	.09152	04
110006	26.003	304.299	14.1941	.55180	.0932C	.001	.09322	1.48
110005	26.006	303.116	14.2507	.45355	.09357	.001	.09377	1.37
110004	28.217	305.583	14.4187	·8C491	.09325	.004	.09309	-1.04
110003	28.218	304.663	14.4576	.67661	.09479	.001	.09476	. 22
110002	28.222	304.047	14.5007	.55998	.09213	.004	.39219	-2.92
110001	28.220	303.154	14.5477	.4 - 424	.09651	.001	.097 1	1.54

					Experimental		Adjusted Thermal	
Run Pt.	Pressur <sup>a</sup>	Temperature	Density	Dower	Thermal Conductivity	STAT	at a Nominal Temperature of 324.8K	Deviation
(UI) F 2.4	MPe	K	moi/L	W/n	W/m•K	3141	W/m.K	percent
	•••	224 622	1.50		*****	200		
111112	•391 •391	326.°22 325.852	•1458 •1465	.19951 .16798	.028 <b>01</b> .02878	.001	.02351 .02858	-2.32 -2.06
111110	.391	325.008	•1469	.13922	.02849	.002	.02845	-2.53
111109	.391	324.139	.1473	.11321	.02837	.003	.02849	-2.38
111103	1.348	326.203	.5244	.19967	.02975	.901	.02949	-1.56
111107	1.348	325.296	• 5263	.16806	.02955	.002	.02946	-1.79
111105	1.348 1.348	324.452 323.771	.528C .5293	.13944	.02951 .02934	.002	•02957 •02953	-1.40 -1.57
111104	2.459	326.548	1.0021	.23364	.03088	.001	• 03056	-1.67
111103	2.459	325.639	1.0050	.19963	.03079	.002	.03064	-1.45
11110?	2.459	324.657	1.0095	.16801	.03058	.002	.03057	-1.71
111101 111100	2.459 2.454	324.044 325.983	1.0131	.13933	.03053 .03221	.002 .002	•03066 •03200	-1.42 85
111099	3.455	325.141	1.4899	.1995C	.03216	.002	.03210	60
111098	3.465	324.537	1.4945	.16 R12	.03203	.002	•03207	72
111097	3.465	323.768	1.5004	.13930	.03203	• 002	.33220	36
111095 111095	4.434	326.169 325.310	1.9931 2.0031	.27034	.03398 .03381	.002 .001	.03376 .03373	• 21 • 04
111094	4.434	324.727	2.0101	.19937	.03370	. 302	•03371	07
111093	4 • 4 3 4	324.376	2.0188	•16792	.03346	.002	.03359	51
111092	5.202	325.923	2.4430	.27044	.03552	. 202	.03535	. 82
111091 111090	5.202 5.202	325.259 324.444	2.4539	.23371	.03544 .03513	.002	•03537 •03518	•78 •13
111089	5.202	323.821	2.4781	.16791	.03513	.002	•03534	•46
111088	5.900	326.314	2.8791	.31009	.03720	.002	.03698	1.25
111087	5.900	325.600	2.8948	.27064	.03732	-002	.03721	1.69
111084	5.901	324.800	2.9127	.23376	• 03 696	.002	.03696	. 86
111085 111084	5.901 5.579	324.275 325.579	2.9244 3.3676	.19940	.03682 .03909	.001	.03689 .03899	•57 1•72
111083	6.579	325.282	3.3761	.27047	.03919	.002	.03913	1.99
111082	6.579	324.471	3.3995	.23375	•03917	.002	•03921	1.96
111081	6.579	324.034	3.4126	.19961	.03864	•002	.03873	•62
111090 111079	7.164 7.165	325.948 325.278	3.7946 3.8195	.35195 .30972	.04108 .04072	.001	•04095 •04067	2•26 1•32
111078	7.145	324.867	3.8344	.27028	.04082	•002	.04081	1.52
111077	7.166	324.107	3.8629	.23347	.04053	.002	.04060	•72
111075	7.759	325.661	4.2827	.35213	.04322	. 304	.04314	2.34
111075	7.759 7.750	324.962 324.548	4.3137 4.3331	.30996	.04305 .04330	.002 .003	.04303 .04332	1.79 2.24
111074 111073	7.750	324.105	4.3536	.23350	.04315	.002	.04321	1.78
111072	8.310	325.933	4.7359	.39742	.04532	.002	•04523	2.28
111071	8.310	325.326	4.7674	.35243	.04484	.002	.04480	1.01
111070	A.313	324.847	4.7959	.31008	.04497	•002	.04497	1.08
111069 111068	8.312 8.935	324.327 325.712	4.8236 5.2101	.27076 .39804	.04524 .04776	.002 .002	.04527 .04771	1.46
111067	P.835	325.236	5.2391	.35320	.04756	.002	.04754	1.95
111066	8.835	324.834	5.2645	.31092	.04766	.002	.04755	1.94
111065 111064	8.836	324.589 325.289	5.2799 5.5846	• 27102	.04718 .04931	.003 .002	•04719 •04929	•81 •99
111063	9.330 9.330	324.702	5.7264	.44341 .39606	.04930	.002	.04930	.60
111062	9.330	324.157	5.7643	.35122	.04882	.002	.04884	73
111061	9.332	323.683	5.8021	.30899	.04938	.002	.04942	• 06
111060	9.889	325.470	6.1641	.49412	.05169	500	.05167	. 93
111059 111058	9.888 9.88 <b>7</b>	325.121 324.394	6.2070 6.2645	.44409 .39605	.05109 .05151	.003	.05108 .05152	62 33
111057	9.888	323.863	6.3085	.35109	.05145	.001	.05147	86
111056	10.463	325.487	6.6947	.49450	.05389	.002	•05388	•14
111055	10.464	324.846	6.7507	.44414	.05398	.002	.05398	19 29
111054 111053	10.454 10.464	324.448 323.729	6.7850 6.8499	.39677 .35147	.05410 .05403	.002	.05410 .05403	99
111052	10.899	325.004	7.1194	49425	.05580	.302	.05580	11
111051	10.900	324.657	7.1516	.44390	.05577	.002	•05577	44
111050	10.899	324.262	7.1874	.39545	.05577	.002	.05577	75
111049 111048	10.900 11.503	323.526 325.593	7.2567 7.5722	.35098 .54774	.05532 .05829	.002 .004	.05531 .05830	-2.18 .53
111047	11.504	324.922	7.6356	49382	.05768	.002	.05768	-1.03
111046	11.504	324.337	7.6914	.44366	.05724	.002	.05724	-2.27
111045	11.504	323.499	7.7734	.35138	.05771	•002	.05769	-2.10
111044 111043	12.168 12.169	325.330 324.910	8.1167 8.1580	.54758	.06015 .05988	• 002 • 001	.06016 .05988	46 -1.22
111043	12.169	324.299	8.2177	.44391	.05980	.002	.05979	-1.80
111041	12.170	323.530	9.2945	.35151	.05984	•002	.05982	-2.30
111040	12.836	325.701	8.5608	.60233	.06145	.003	•06145	-1.41
111039 111038	12.837 12.837	325.140 324.167	8.6152 8.7098	.54700	.06216 .06203	.002 .001	.06216 .06203	62 -1.47
111030	12.828	323.158	8.8099	.35100	•06172	.001	.06171	-2.65
111036	13.503	325.440	9.0829	.60232	.06369	.002	.06369	-1.17
111035	13.605	324.939	9.1315	.54652	.06412	.003	.06412	79
111034 111033	13.604 13.603	324.052 323.265	9.2155	.44370	.06399 .06410	.001 .002	.06399 .06411	-1.51 -1.79
111033	14.534	325.414	9.6173	.40262	.06656	.002	.06655	•02

111031	14.534	324.905	9.5641	.54677	.05665	.002	.06565	11
111230	14.534	324.017	9.7454	.44390	.06616	.002	.06517	-1.31
111029	14.536	323.132	9.8276	.35120	.06623	.001	.06626	-1.66
111028	15.578	325.758	10.1042	.66069	•06909	.002	.06906	. 85
111027	15.576	324.759	10.1900	.54574	.06775	.002	.06775	-1.57
111025	15.578	323.861	10.2686	.44372	.06916	• 2 0 2	.06923	.08
111025	15.578	323.159	10.3299	.35143	.06868	.001	.06874	94
111024	16.844	325.683	10.6470	.66062	.071(2	.001	.07097	.32
111023	16.845	324.769	10.7216	.546.91	.07122	.001	.07122	. 21
111021	16.846	323.416	10.8318	.35161	.07141	.002	.07149	10
111020	18.338	325.828	11.1698	.66145	.07358	.002	.07350	. 47
111019	18.338	324.905	11.2369	.54700	.07419	.001	.07418	• 93
111018	18.337	324.156	11.2948	.44405	.07410	•002	.07415	.51
111017	18.337	323.345	11.3557	.35193	.07380	.002	•07392	22
111016	20.107	325.552	11.7187	.66146	.07686	.001	.07678	. 99
111015	20.109	324.899	11.7643	.54754	.07682	.002	•07581	.69
111014	20.110	324.020	11.8254	.44464	.07693	.002	.07701	• 50
111013	20.111	323.109	11.8890	.35153	.07706	•002	.07724	.31
111012	22.149	326.882	12.1442	.78956	.08054	.001	.08029	2.19
111011	22.149	326.192	12.1982	.66584	.08078	.001	.08061	2.23
111010	22.151	324.746	12.2806	.54758	.08015	.001	.08016	.94
111009	22.153	323.659	12.3503	.44337	.07999	.001	.08013	.33
111008	24.473	326.345	12.6691	.78669	.98337	.001	.08316	1.33
111007	24.473	325.427	12.7241	.66207	.08335	.001	.08325	. 98
111006	24.472	324.463	12.7806	.54764	.08333	.001	.08338	. 62
111005	24.473	323.609	12.8310	.44472	.08389	.001	.OR405	• 98
111004	26.953	326.052	13.1315	.78653	.09639	.002	.08620	•76
111003	26.954	325.002	13.1890	.66124	.08645	.002	.08542	. 47
111002	26.954	324.240	13.2306	.54732	.08563	.004	.08571	74
111001	26.951	323.549	13.2679	.44381	.08663	.001	.08592	.19

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